

FIGURE 1

IMPDH COORDINATES

		Átom					-	<u>occ</u>	<u>B</u>
		Type	Residue	<u>#</u>	X	<u>Y</u> .	<u>Z</u>	1.00	22.70
ATOM	1	CB	ALA	17	72.558	49.267	65.109 65.238	1.00	26.93
MOTA	2	C	ALA	17	71.313	51.476	64.127	1.00	29.36
ATOM	3	0	ALA	17	70.825	51.262	66.975	1.00	26.46
ATOM	4	Ν	ALA	17	71.028	49.819	66.030	1.00	26.18
ATOM	5	CA	ALA	17	72.022	50.375 52.650	65.852	1.00	25.12
ATOM	6	N	LEU	18	71.234	52.050 53.798	65.245	1.00	23.77
ATOM	7	CA	LEU	18	70.583	54.098	66.036	1.00	24.11
ATOM	8	CB	LEU	18	69.314	54.653	65.285	1.00	25.97
ATOM	9	CG	LEU	18	68.112 67.670	53.647	64.234	1.00	20.03
ATOM	10	CD1	LEU	18	66.998	54.949	66.278	1.00	24.01
ATOM	11	CD2	LEU	18 18	71.549	54.973	65.364	1.00	22.96
ATOM	12	C	LEU	18	72.234	55.092	66.376	1.00	24.55
ATOM	13	0	LEU	19	71.657	55.805	64.334	1.00	20.50
ATOM	14	N	THR	19	72.555	56.953	64.418	1.00	19.77
ATOM	15	CA	THR THR	19	73.040	57.451	63.032	1.00	19.66
ATOM	16	CB OC1	THR	19	71.942	57.976	62.285	1.00	24.22
ATOM	17	OG1	THR	19	73.681	56.329	62.254	1.00	21.13
ATOM	18	CG2	THR	19	71.856	58.108	65.118	1.00	20.76
ATOM	19	CO	THR	19	70.625	58.138	65.196	1.00	23.20
ATOM	20	N	ALA	20	72.644	59.064	65.604	1.00	20.04
ATOM	21	CA	ALA	20	72.129	60.244	66.286	1.00	17.52
ATOM	22 23	CB	ALA	20	73.277	61.136	66.727	1.00	16.35
ATOM	23 24	C	ALA	20	71.188	61.011	65.370	1.00	17.21
ATOM	24 25	ŏ	ALA	20	70.121	61.445	65.789	1.00	18.45
ATOM	26 26	N	GLN	21	71.586	61.168	64.114	1.00	18.11
MOTA	27 27	CA	GLN	21	70.768	61.865	63.132	1.00	17.57
ATOM ATOM	28	СВ	GLN	21	71.445	61.795	61.759	1.00	19.03
ATOM	29	ĊĠ	GLN	21	70.925	62.768	60.699	1.00	23.41 31.00
ATOM	30	CD	GLN	21	69.630	62.324	60.040	1.00	34.26
ATOM	31	OE1	GLN	21	69.245	61.155	60.105	1.00	36.22
ATOM	32	NE2	GLN	21	68.957	63.260	59.381	1.00 1.00	17.94
ATOM	33	С	GLN	21	69.383	61.210	63.093	1.00	20.56
ATOM	34	0	GLN	21	68.374	61.895	63.181	1.00	15.31
ATOM	35	N	GLN	22	69.340	59.883	63.025 62.976	1.00	14.95
ATOM	36	CA	GLN	22	68.072	59.155 57.683	62.671	1.00	14.56
ATOM	37	CB	GLN	22	68.316	57.682	61.307	1.00	19.65
MOTA	38	CG	GLN	22	68.906	57.446 56.058	61.166	1.00	28.31
MOTA	39	CD	GLN	22	69.475 69.911	55.447	62.146	1.00	29.91
MOTA	40	OE1	GLN	22	69.499	55.554	59.939	1.00	34.86
MOTA	41	NE2	GLN	22	67.284	59.251	64.265	1.00	14.40
ATOM	42	C	GLN	22	66.104	59.559	64.260	1.00	17.28
MOTA	43	0	GLN	22	67.961	58.997	65:369	1.00	13.72
MOTA	44	N	LEU	23	67.360	59.019	66.686	1.00	13.86
ATOM	45	CA	LEU	23 23	68.430	58.644	67.719	1.00	10.46
MOTA	46	СВ	LEU	23 23	68.090	58.588	69.210	1.00	10.45
MOTA	47	CG	LEU	23	67.222	57.399	69.478	1.00	13.28
ATOM	48	CD1	LEU LEU	23	69.354	58.489	70.036	1.00	9.21
ATOM	49	CD2	LEU	23	66.698	60.343	67.072	1.00	17.33
ATOM	50	C	LEU	23	65.552	60.353	67.517	1.00	17.38
ATOM	51	0 N	PHE	24	67.417	61.454	66.894	1.00	22.11
ATOM	52 53	CA	PHE	24	66.926	62.781	67.282	1.00	23.93
ATOM	53 54	CB	PHE	24	68.060	63.626	67.870	1.00	18.72
ATOM	54 55	CG	PHE	24	68.688	63.017	69.084	1.00	18.19
ATOM	55	0.0	, , ,						





		CD1	PHE	24		63.098	70.321	1.00 1.00	16.51 16.3 4
MOTA	56	CD2	PHE	24	69.849	62.270	68.975	1.00	16.81
MOTA	57	CE1	PHE	24	68.573	62.445	71.422	1.00	17.36
ATOM	58	CE2	PHE	24	70.373	61.614	70.070	1.00	20.29
ATOM	59		PHE	24	69.732	61.695	71.295	1.00	28.47
ATOM	60	CZ	PHE	24	66.228	63.569	66.212	1.00	30.83
ATOM	61	C	PHE	24	66.123	64.788	66.308	1.00	31.66
ATOM	62	0	ASN	25	65.728	62.886	65.197		35.39
MOTA	63	N.	ASN	25	65.039	63.585	64.130	1.00	37.11
MOTA	64	CA	ASN	25	65.970	63.788	62.926	1.00	32.50
ATOM	65	СВ	ASN	25	66.984	64.917	63.156	1.00	34.46
ATOM	66	CG	ASN	25	66.630	66.090	63.117	1.00	24.11
ATOM	67	OD1	ASN	25	68.235	64.562	63.402	1.00	37.00
ATOM	68	ND2	ASN	25	63.752	62.868	63.767	1.00 1.00	37.37
ATOM	69	C	ASN	25	63.416	62.689	62.593	1.00	38.09
ATOM	70	0	CYS	26	63.053	62.447	64.821		39.40
ATOM	71	N	CYS	26	61.768	61.759	64.725	1.00	41.92
ATOM	72	CA	CYS	26	61.902	60.316	65.197	1.00	54.81
ATOM	73	CB	CYS	26	63.069	59.371	64.233	1.00	39.10
ATOM	74	SG	CYS	26	60.701	62.474	65.566	1.00	40.50
MOTA	75	C	CYS	26	59.562	62.020	65.636	1.00	37.42
ATOM	76	0	GLY	27	61.092	63.563	66.232	1.00	34.99
ATOM	77	N	GLY	27	60.169	64.345	67.044	1.00	33.08
ATOM	78	CA	GLY	27	59.622	63.721	68.319	1.00	33.66
ATOM	79	C	GLY	27	58.602	64.171	68.843	1.00	29.48
ATOM	80	0	ASP	28	60.324	62.731	68.857	1.00	26.13
ATOM	81	N	ASP	28	59.872	62.053	70.061	1.00	31.57
MOTA	82	CA	ASP	28	60.518	60.669	70.156	1.00	37.50
ATOM	83	CB	ASP	28	60.062	59.717	69.058	1.00	42.70
ATOM	84	CG	ASP	28	59.113	60.055	68.313	1.00	40.12
ATOM	85	OD1		28	60.651	58.615	68.949	1.00	24.31
ATOM	86	OD2	ASP	28	60.107	62.803	71.368	1.00	26.33
MOTA	87	C	ASP	28	59.607	62.382	72.405	1.00	20.96
MOTA	88	0	GLY	29	60.879	63.885	71.340	1.00 1.00	17.97
MOTA	89	N	GLY	29	61.152	64.622	72.564	1.00	19.01
MOTA	90	CA	GLY	29	61.908	63.793	73.597		21.20
MOTA	91	C	GLY	29	61.468	63.660	74.748	1.00 1.00	17.09
MOTA	92	0	LEU	30	63.065	63.261	73.197	1.00	12.60
ATOM	93	N	LEU	30	63.892	62.416	74.057	1.00	9.93
MOTA	94	CA CB	LEU	30	64.817	61.547	73.212	1.00	
MOTA	95	CG	LEU	30	64.233	60.723	72.068	1.00	
ATOM	96	CD.		30	65.388	60.127	71.284	1.00	
ATOM	97	CD	•	30	63.302	59.628	72.598	1.00	
MOTA	98	C	LEU		64.762	63.194	75.021	1.00	_
ATOM	99	Ö	LEU		65.039	64.376	74.824	1.00	
ATOM	100	N	THR		65.290		75.998	1.00	
ATOM	101	ČA			66.164	63.037	77.006	1.00	
ATOM	102	CB		_	65.392	63.352	78.279	1.00	
ATOM	103	00			64.263	64.164	77.961	1.00	
ATOM			_			64.121	79.219	1.00	
ATOM			THE			, 61.969			
ATOM			THE	-	67.076				
ATOM			TYF			7 62.328			-
ATOM					69.28	1 61.418		_	
ATON		_			2 70.11				-
ATOM			-		2 70.77	8 63.348			-
ATOM			D1 TY		2 71.48	5 63.498			
ATON		-	E1 TY			2 64.696	3 77.770	,	
ATON	/i	_							





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					70.708	64.443	80.143		9.67
ATOM	114	CD2	TYR	32	71.323	65.641	79.831		5.87
ATOM	115	CE2	TYR	32		65.759	78.645	1.00	9.04
ATOM	116	CZ	TYR	32	72.020	66.936	78.322	1.00	12.17
ATOM	117	OH	TYR	32	72.646	60.014	78.895	1.00	14.12
ATOM	118	С	TYR	32	68.836	59.028	78.412	1.00	15.71
ATOM	119	0	TYR	32	69.377	59.919	79.770	1.00	13.11
ATOM	120	N	ASN	33	67.844		80.217	1.00	11.54
ATOM	121	CA	ASN	33	67.371	58.614	81.462	1.00	11.83
ATOM	122	СВ	ASN	33	66.496	58.768	82.713	1.00	17.66
ATOM	123	CG	ASN	33	67.311	59.056	82.665	1.00	23.03
ATOM	124	OD1	ASN	33	68.541	59.127	83.840	1.00	20.22
ATOM	125	ND2	ASN	33	66.634	59.216	79.162	1.00	9.67
ATOM	126	C	ASN	33	66.628	57.803	79.102 79.359	1.00	11.34
ATOM	127	Õ	ASN	33	66.382	56.632	79.333 78.027	1.00	10.31
ATOM	128	Ň	ASP	34	66.314	58.411	76.980	1.00	9.62
ATOM	129	CA	ASP	34	65.565	57.730	76.202	1.00	7.60
ATOM:	130	СВ	ASP	34	64.693	58.723	76.202 77.080	1.00	10.75
	131	CG	ASP	34	63.702	59.452	77.080 77.7 43	1.00	16.59
ATOM	132	OD1	ASP	34	62.884	58.790		1.00	16.20
ATOM	133	OD2	ASP	34	63.728	60.695	77.105	1.00	10.82
ATOM	134	C	ASP	34	66.410	56.951	75.996	1.00	12.67
ATOM	135	Ö	ASP	34	65.857	56.330	75.088	1.00	10.03
ATOM	135	N	PHE	35	67.732	56.997	76.119		11.20
ATOM		CA	PHE	35	68.566	56.251	75.180	1.00	8.60
ATOM	137	CB	PHE	35	68.809	57.065	73.905	1.00	5.90
ATOM	138	CG	PHE	35	69.723	58.235	74.093	1.00	2.20
ATOM	139	CD1	PHE	35	69.222	59.467	74.457	1.00	9.58
ATOM	140	CD1	PHE	35	71.095	58.094	73.916	1.00	
ATOM	141	CE1	PHE	35	70.059	60.547	74.628	1.00	5.47
ATOM	142	CE2	PHE	35	71.944	59.166	74.085	1.00	8.35
MOTA	143		PHE	35	71.423	60.399	74.450	1.00	10.50
MOTA	144	CZ	PHE	35	69.892	55.758	75.748	1.00	12.61
MOTA	145	C	PHE	35	70.284	56.119	76.859	1.00	13.92
MOTA	146	0	LEU	36	70.568	54.917	74.972	1.00	14.59
MOTA	147	N	LEU	36	71.863	54.348	75.346	1.00	14.60
MOTA	148	CA	LEU	36	71.712	52.852	75.647	1.00	15.42
MOTA	149	CB	LEU	36	71.050	52.471	76.958	1.00	15.98
MOTA	150	CG	LEU	36	70.772	50.996	76.982	1.00	12.63
MOTA	151	CD1	LEU	36	71.943	52.880	78.105	1.00	19.66
MOTA	152	CD2	LEU	36	72.825	54.475	74.183	1.00	13.79
MOTA	153	C	LEU	36	72.402	54.693	73.046	1.00	15.53
MOTA	154	0		37	74.117	54.370	74.468	1.00	13.37
MOTA	155	N	ILE	37	75.114	54.398	73.412	1.00	11.78
ATOM	156	CA	ILE	37	76.301	55.330	73.708	1.00	12.62
ATOM	157	СВ	ILE		77.117	55.521	72.432	1.00	9.76
ATOM	158	CG2		37	75.818	56.695	74.204	1.00	9.90
MOTA	159	CG1		37	76.942	57.594	74.695	1.00	3.11
ATOM	160	CD1		37	75.616	52.963	73.403	1.00	11.63
ATOM	161	С	ILE	37	75.927	52.406	74.464	1.00	9.34
ATOM	162	0	ILE	37	75.605	52.347	72.225	1.00	12.19
ATOM	163	N	LEU	38		50.964	72.067	1.00	
ATOM	164	CA	LEU	38	76.048		70.778	1.00	12.87
ATOM	165	СВ	LEU	38	75.474		70.830	1.00	
ATOM	166	CG	LEU	38	74.129		71.943	1.00	
ATOM	167	CD'		38	73.238		69.494	1.00	
ATOM	168	CD		38			72.067	1.00	
ATOM	169	С	LEU					1.00	
ATOM	170	0	LEU					1.00	
ATOM		N	PRC	39	78.134	49.094	, 2.000		
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. = = 1	470	CD	PRO	39	77.416	48.835	73.528	1.00	16.09
ATOM	172	CA	PRO	39	79.578	49.702	72.899	1.00	14.01
ATOM	173	CB	PRO	39	79.688	48.579	73.928	1.00	14.77
ATOM	174	CG	PRO	39	78.470	47.778	73.672	1.00	16.81
MOTA	175		PRO	39	80.247	49.339	71.574	1.00	15.63
ATOM	176	C	PRO	39	79.639	48.687	70.713	1.00	15.28
ATOM	177	0		40	81.513	49.736	71.439	1.00	14.98
ATOM	178	N	GLY		82.262	49.470	70.230	1.00	12.21
ATOM	179	CA	GLY	40	83.409	48.495	70.399	1.00	13.01
ATOM	180	С	GLY	40		47.389	70.919	1.00	12.38
ATOM	181	0	GLY	40	83.224	48.892	69.904	1.00	13.42
ATOM	182	N	TYR	41	84.583	48.0 3 2 48.077	69.957	1.00	13.37
ATOM	183	CA	TYR	41	85.794	47.862	68.551	1.00	13.51
ATOM	184	CB	TYR	41	86.353		68.546	1.00	21.45
ATOM	185	CG	TYR	41	87.638	47.069	69.050	1.00	24.36
ATOM	186	CD1	TYR	41	87.680	45.770	69.069	1.00	28.32
ATOM	187	CE1	TYR	41	88.863	45.046		1.00	26.04
ATOM	188	CD2	TYR	41	88.818	47.625	68.064	1.00	25.88
ATOM	189	CE2	TYR	41	90.013	46.910	68.082	1.00	27.54
ATOM	190	CZ	TYR	41	90.029	45.623	68.585		29.43
ATOM	191	ОH	TYR	41	91.211	44.917	68.607	1.00	14.08
ATOM	192	C	TYR	41	86.861	48.731	70.824	1.00	14.00
	193	ŏ	TYR	41	87.248	49.878	70.588	1.00	
ATOM	194	Ň	ILE	42	87.381	47.980	71.785	1.00	14.83
ATOM	195	CA	ILE	42	88.390	48.518	72.691	1.00	16.98
ATOM		CB	ILE	42	88.076	48.131	74.151	1.00	17.07
MOTA	196	CG2	ILE	42	89.107	48.739	75.098	1.00	14.32
ATOM	197		ILE	42	86.650	48.568	74.507	1.00	16.63
MOTA	198	CG1	ILE	42	86.157	48.016	75.818	1.00	15.82
ATOM	199	CD1	ILE	42	89.795	48.048	72.352	1.00	18.11
ATOM	200	C	ILE	42	90.060	46.844	72.285	1.00	19.16
ATOM	201	0		43	90.692	49.000	72.129	1.00	17.76
MOTA	202	N	ASP	43	92.082	48.683	71.826	1.00	20.06
ATOM	203	CA	ASP	43	92.331	48.676	70.312	1.00	20.24
ATOM	204	СВ	ASP		92.245	50.056	69.682	1.00	23.30
ATOM	205	CG	ASP	43	91.509	50.936	70.186	1.00	23.90
MOTA	206	OD1	ASP	43	92.915	50.248	68.648	1.00	25.65
MOTA	207	OD2	ASP	43		49.659	72.540	1.00	20.53
MOTA	208	С	ASP	43	93.016 94.110	49.955	72.071	1.00	21.86
ATOM	209	0	ASP	43		50.152	73.685	1.00	19.12
ATOM	210	N	PHE	44	92.564	51.091	74.488	1.00	19.11
ATOM	211	CA	PHE	44	93.323	52.509	73.910	1.00	22.06
ATOM	212	CB	PHE	44	93.219	52.30 3 53.051	73.883	1.00	26.32
ATOM	213	CG	PHE	44	91.816	• • • • • •	72.871	1.00	23.08
ATOM	214	CD1	PHE	44	90.925	52.675	74.890	1.00	26.77
ATOM	215	CD2	PHE	44	91.367	53.904	74.890	1.00	19.60
ATOM	216	CE1	PHE	44	89.612	53.131		1.00	27.23
ATOM	217	CE2	PHE	44	90.053	54.363	74.893	1.00	23.92
ATOM	218	CZ	PHE	44	89.174	53.974	73.875		19.64
ATOM	219	С	PHE	44	92.716	51.039	75.881	1.00	19.73
ATOM	220	0	PHE	44	91.666	50.418	76.085	1.00	19.73
ATOM	221	N	THR	45	93.359	51.699	76.834	1.00	20.17
ATOM	222	CA	THR	45	92.871	51.699	78.203	1.00	
ATOM	223	СВ	THR	45	94.015	51.487	79.185	1.00	21.18
	224	0G1		45	95.014	52.488	78.966	1.00	25.33
MOTA	225	CG2		45	94.623	50.113	78.988	1.00	18.41
ATOM	225 226	C	THR	45	92.144	52.985	78.560	1.00	18.54
MOTA	227	Ö	THR	45	92.360	54.024	77.944	1.00	18.57
MOTA		N	ALA	46	91.310	52.914	79.589	1.00	17.69
MOTA	228	CA	ALA	46	90.541	54.066	80.030	1.00	17.75
MOTA	229	CA	7 L	40					



			_		89.709	53.719	81.253	1.00	13.85
ATOM	230	CB	ALA	46		55.251	80.315	1.00	18.75
ATOM	231	С	ALA	46	91.441	56.367	79.917	1.00	20.63
ATOM	232	0	ALA	46	91.138	55.001	80.944	1.00	20.24
ATOM	233	N	ASP	47	92.582	56.088	81.268	1.00	21.37
ATOM	234	CA	ASP	47	93.504		82.278	1.00	25.83
ATOM	235	CB	ASP	47	94.580	55.645 54.403	81.837	1.00	35.96
ATOM	236	CG	ASP	47	95.352	54.403 54.556	81.274	1.00	38.06
ATOM	237	OD1	ASP	47	96.462	54.556 53.269	82.091	1.00	42.93
ATOM	238	OD2	ASP	47	94.870		80.060	1.00	19.38
ATOM	239	С	ASP	47	94.129	56.778 57.822	80.196	1.00	19.83
ATOM	240	0	ASP	47	94.754	57.622 56.222	78.874	1.00	18.14
ATOM	241	N	GLN	48	93.920		77.665	1.00	18.72
ATOM	242	CA	GLN	48	94.477	56.808	76.667	1.00	20.43
ATOM	243	СВ	GLN	48	94.867	55.713	77.038	1.00	25.96
ATOM	244	CG	GLN	48	96.117	54.922	77.030 75.900	1.00	31.16
ATOM	245	CD	GLN	48	96.606	54.032	74.857	1.00	30.37
ATOM	246	OE1	GLN	48	97.052	54.519	74.837 76.096	1.00	33.58
ATOM	247	NE2	GLN	48	96.520	52.721	77.000	1.00	20.23
ATOM	248	С	GLN	48	93.510	57.772	77.000 75.985	1.00	22.71
ATOM	249	0	GLN	48	93.840	58.387	75.963 77.558	1.00	20.36
ATOM	250	N	VAL	49	92.311	57.896		1.00	18.46
ATOM	251	CA	VAL	49	91.286	58.771	76.997	1.00	19.19
ATOM	252	CB	VAL	49	89.878	58.347	77.489 77.039	1.00	22.83
ATOM	253	CG1	VAL	49	88.826	59.354		1.00	17.01
ATOM	254	CG2	VAL	49	89.545	56.957	76.964	1.00	15.71
ATOM	255	С	VAL	49	91.540	60.240	77.315	1.00	16.81
ATOM	256	0	VAL	49	91.771	60.601	78.465	1.00	14.39
ATOM	257	N	ASP	50	91.482	61.083	76.291	1.00	14.04
ATOM	258	CA	ASP	50	91.711	62.514	76.455	1.00	11.59
ATOM	259	CB	ASP	50	92.620	63.027	75.338 75.407	1.00	15.45
ATOM	260	CG	ASP	50	92.982	64.500	75.497	1.00	19.60
ATOM	261	OD1	ASP	50	93.099	65.001	76.641	1.00	18.29
ATOM	262	OD2	ASP	50	93.166	65.160	74.460	1.00	13.17
ATOM	263	С	ASP	50	90.396	63.299	76.466	1.00	14.97
ATOM	264	0	ASP	50	89.600	63.207	75.529	1.00	11.28
ATOM	265	N	LEU	51	90.199	64.101	77.508	1.00	10.04
ATOM	266	CA	LEU	51	88.989	64.899	77.658	1.00	8.54
ATOM	267	CB	LEU	51	88.452	64.770	79.080	1.00	5.22
ATOM	268	ĊG	LEU	51	88.308	63.399	79.734	1.00	3.10
ATOM	269	CD1	LEU	51	87.731	63.609	81.122	1.00	8.97
ATOM	270	CD2	LEU	51	87.404	62.485	78.912	1.00	10.78
ATOM	271	Ċ	LEU	51	89.153	66.390	77.337	1.00	12.28
ATOM	272	Ō	LEU	51	88.289	67.187	77.688		12.96
ATOM	273	N	THR	52	90.247	66.776	76.688	1.00 1.00	12.08
ATOM	274	CA	THR	52	90.476	68.181	76.347	1.00	12.55
ATOM	275	CB	THR	52	91.721	68.340	75.469		10.40
ATOM	276	OG1	THR	52	92.867	67.868	76.191	1.00	15.12
ATOM	277	CG2	THR	52	91.930	69.795	75.090	1.00	11.99
ATOM	278	С	THR	52	89.254	68.722	75.627	1.00	13.13
ATOM	279	Ō	THR	52	88.798	68.142	74.644	1.00	11.60
ATOM	280	N	SER	53	88.731	69.837	76.120	1.00	11.26
ATOM	281	CA	SER	53	87.530	70.412	75.548	1.00	13.37
ATOM	282	СВ	SER	53	86.325	69.983	76.377	1.00	17.69
ATOM	283	ÖĞ	SER	53	86.159	68.577	76.326	1.00	17.69
ATOM	284	c	SER	53	87.554	71.922	75.445	1.00	
ATOM	285	ŏ	SER	53	88.144	72.607	76.276	1.00	13.12
ATOM	286	Ň	ALA	54	86.894	72.435	74.416	1.00	11.95
ATOM	287	CA	ALA	54	86.817	73.864	74.173	1.00	12.45
Z I OIVI	20,								



					00 500	74.122	72.693	1.00	8.03
ATOM	288	CB	ALA	54	86.566	74.122 74.486	74.997	1.00	15.40
ATOM	289	С	ALA	54	85.699	74.430	74.821	1.00	17.45
ATOM	290	0	ALA	54	84.527	7 4 .130 75.371	75.920	1.00	15.11
ATOM	291	N	LEU	55	86.056	76.052	76.722	1.00	15.35
ATOM	292	CA	LEU	55	85.052	76.032 76.793	77.905	1.00	11.75
ATOM	293	CB	LEU	55	85.679		78.753	1.00	5.59
ATOM	294	CG	LEU	55	84.652	77.545	79.548	1.00	2.00
ATOM	295	CD1	LEU	55	83.821	76.562 78.506	79.685	1.00	7.88
ATOM	296	CD2	LEU	55	85.338	78.500 77.062	75.795	1.00	16.99
ATOM	297	С	LEU	55	84.398	77.002 77.132	75.703	1.00	19.02
ATOM	298	0	LEU	55	83.183	77.132 77.843	75.102	1.00	17.95
ATOM	299	N	THR	56	85.216	77.8 4 3 78.844	74.179	1.00	18.88
ATOM	300	CA	THR	56	84.707	80.275	74.804	1.00	16.13
ATOM	301	CB	THR	56	84.709	80.712	75.017	1.00	14.10
ATOM	302	OG1	THR	56	86.054		76.145	1.00	16.08
ATOM	303	CG2	THR	56	83.970	80.300	72.955	1.00	20.87
ATOM	304	С	THR	56	85.614	78.815	72.869	1.00	23.00
ATOM	305	0	THR	56	86.517	77.980	72.003	1.00	21.01
ATOM	306	N	LYS	57	85.371	79.718	70.805	1.00	20.04
ATOM	307	CA	LYS	57	86.174	79.799	69.955	1.00	18.70
ATOM	308	CB	LYS	57	85.741	80.986	68.891	1.00	21.51
ATOM	309	CG	LYS	57	84.745	80.615	68.056	1.00	23.91
ATOM	310	CD	LYS	57	84.338	81.805	66.915	1.00	32.96
ATOM	311	CE	LYS	57	83.449	81.350	66.212	1.00	36.85
ATOM	312	NZ	LYS	57	82.765	82.469 79.894	71.089	1.00	22.00
ATOM	313	С	LYS	57	87.661	79.5 94 79.549	70.238	1.00	25.73
ATOM	314	0	LYS	57	88.469	79.3 4 9 80.380	72.267	1.00	22.39
ATOM	315	N	LYS	58	88.033	80.490	72.598	1.00	23.85
ATOM	316	CA	LYS	58	89.444	81.933	72.445	1.00	25.83
ATOM	317	CB	LYS	58	89.927	82.442	71.001	1.00	28.99
ATOM	318	CG	LYS	58	89.896	83.590	70.769	1.00	34.75
ATOM	319	CD	LYS	58	90.874 90.656	84.733	71.755	1.00	42.57
ATOM	320	CE	LYS	58	91.646	85.843	71.599	1.00	44.82
ATOM	321	ΝZ	LYS	58	89.847	79.921	73.958	1.00	25.84
ATOM	322	C	LYS	58	91.034	79.809	74.240	1.00	28.83
MOTA	323	0	LYS	58	88.882	79.596	74.817	1.00	24.95
MOTA	324	N	ILE	59 59	89.207	79.005	76.118	1.00	21.26
MOTA	325	CA	ILE	59 59	88.186	79.373	77,215	1.00	19.15
ATOM	326	CB	ILE	59	88.599	78.744	78.536	1.00	18.36
ATOM	327	CG2	ILE ILE	59	88.030	80.892	77.345	1.00	13.94
ATOM	328	CG1	ILE	5 9	89.012	81.556	78.261	1.00	10.28
ATOM	329	ÇD1	ILE	59	89.120	77.494	75.934	1.00	23.50
ATOM	330	C	ILE	59	88.112	76.979	75.445	1.00	24.71
ATOM	331	0	THR	60	90.163	76.784	76.335	1.00	22.69
ATOM	332	N	THR	60	90.182	75.337	76.211	1.00	22.98
ATOM	333	CA CB	THR	60	91.067	74.904	75.028	1.00	26.30
ATOM	334	OG1	THR	60	90.432	75.296	73.803	1.00	30.53
ATOM	335	CG2	THR	60	91.283	73.398	75.026	1.00	27.27
ATOM	336	C	THR	60	90.664	74.716	77.518	1.00	22.51
ATOM	337	ő	THR	60	91.712	75.080	78.038	1.00	25.19
MOTA	338 339	N	LEU	61	89.865	73.806	78.057	1.00	20.62
ATOM	340	CA	LEU	61	90.165	73.150	79.316	1.00	16.73
MOTA	341	CB	LEU	61	88.910	73.162	80.190	1.00	14.48
MOTA	341	CG	LEU	61	88.062	74.436	80.112	1.00	9.39
MOTA MOTA	343	CD1	LEU	61	86.663	74.190	80.668	1.00	9.35
ATOM	344	CD2		61	88.766	75.570	80.834	1.00	2.85
ATOM	345	C	LEU	61	90.597	71.714	79.072	1.00	16.25
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					00.452	71.189	77.968	1.00	15.53
ATOM	346	0	LEU	61	90.453	71.075	80.113	1.00	17.42
ATOM	347	N	LYS	62	91.111	69.695	80.017	1.00	20.31
ATOM	348	ÇA	LYS	62	91.550	69.379	81.061	1.00	23.11
ATOM	349	CB	LYS	62	92.624	70.206	80.915	1.00	31.56
ATOM	350	CG	LYS	62	93.910	70.267	79.492	1.00	36.67
ATOM	351	CD	LYS	62	94.470	68.753	79.074	1.00	40.37
ATOM	352	CE	LYS	62	94.867	68.655	77.613	1.00	41.00
ATOM	353	NZ	LYS	62	95.167	68.773	80.190	1.00	22.22
ATOM	354	С	LYS	62	90.360 90.378	67.642	79.718	1.00	24.32
ATOM	355	0	LYS	62	89.322	69.262	80.863	1.00	24.24
ATOM	356	N	THR	63	88.106	68.485	81.093	1.00	22.98
ATOM	357	CA	THR	63	87.927	68.142	82.581	1.00	22.74
MOTA	358	СВ	THR	63 63	87.737	69.344	83.327	1.00	28.60
ATOM	359	OG1	THR	63	89.146	67.422	83.117	1.00	22.14
ATOM	360	CG2	THR	63	86.913	69.312	80.621	1.00	22.76
ATOM	361	C	THR	63	86.993	70.541	80.523	1.00	24.77
ATOM	362	0	THR	64	85.788	68.656	80.321	1.00	21.21
ATOM	363	N	PRO	64	85.600	67.195	80.223	1.00	20.66
MOTA	364	CD	PRO	64	84.597	69.367	79.858	1.00	19.26
MOTA	365	CA	PRO	64	83.938	68.321	78.974	1.00	20.57
MOTA	366	CB	PRO	64	84.162	67.063	79.773	1.00	17.12
MOTA	367	CG	PRO	64	83.669	69.750	81.004	1.00	18.03
ATOM	368	C	PRO PRO	64	82.466	69.859	80.819	1.00	18.92
ATOM	369	0	LEU	65	84.220	69.984	82.181	1.00	17.42
MOTA	370	N	LEU	65	83.388	70.281	83.331	1.00	17.61
MOTA	371	CA	LEU	65	83.877	69.442	84.518	1.00	16.50
ATOM	372	CB CG	LEU	65	84.124	67.954	84.216	1.00	11.41
MOTA	373		LEU	65	84.753	67.288	85.403	1.00	10.97
ATOM	374	CD1 CD2	LEU	65	82.840	67.245	83.834	1.00	9.50
ATOM	375		LEU	65	83.326	71.769	83.679	1.00	18.70
ATOM	376	C O	LEU	65	84.331	72.472	83.605	1.00	19.19
ATOM	377	N	VAL	66	82.145	72.234	84.081	1.00	16.36
ATOM	378	CA	VAL	66	81.926	73.638	84.429	1.00	15.28
ATOM	379	CB .	VAL	66	81.328	74.418	83.206	1.00	14.14
ATOM	380 381	CG1	VAL	66	81.133	75.878	83.547	1.00	13.24
ATOM	382	CG2	VAL	66	82.221	74.291	81.985	1.00	12.95
ATOM	383	C	VAL	66	80.927	73.740	85.595	1.00	14.30
ATOM ATOM	384	ŏ	VAL	66	79.938	73.018	85.624	1.00	15.07
	385	Ň	SER	67	81.189	74.605	86.569	1.00	13.41 13.36
MOTA	386	CA	SER	67	80.262	74.767	87.683	1.00	10.98
ATOM ATOM	387	CB	SER	67	80.995	75.037	88.999	1.00	14.86
ATOM	388	ÖĞ	SER	67	81.834	76.166	88.910	1.00	14.70
ATOM	389	C	SER	67	79.322	75.909	87.330	1.00 1.00	15.74
ATOM	390	Ō	SER	67	79.742	76.930	86.783		15.74
ATOM	391	Ň	SER	68	78.041	75.718	87.610	1.00 1.00	16.05
ATOM	392	CA	SER	68	77.022	76.706	87.293	1.00	18.67
ATOM	393	СВ	SER	68	75.639	76.067	87.443	1.00	21.96
ATOM	394	OG	SER	68	74.602	77.004	87.194	1.00	16.26
ATOM	395	С	SER	68	77.080	77.993	88.106	1.00	16.76
ATOM	396	0	SER	68	77.445	77.995	89.283	1.00	16.03
ATOM	397	N	PRO	69	76.699	79.116	87.483	1.00	15.90
ATOM	398	CD	PRO	69	76.396	79.279	86.052	1.00	15.65
ATOM	399	CA	PRO	69	76.699	80.411	88.169	1.00	15.49
ATOM	400	СВ	PRO		76.592		87.014	1.00	
ATOM	401	CG	PRO		76.975		85.778	1.00	
ATOM	402	С	PRO		75.445		89.063 88.625	1.00	
ATOM	403	. 0	PRO	69	74.384	80.927	00.023	1.00	, 5 0

						79.981	90.295	1.00	17.24
ATOM	404	N	MET	70	75.553		91.215	1.00	18.66
ATOM	405	CA	MET	70	74.423	79.975	91.180		20.15
	406	СВ	MET	70	73.724	78.611			20.32
ATOM	407	CG	MET	70	73.116	78.255	89.831	1.00	18.83
ATOM		SD	MET	70	72.490	76.578	89.729		22.16
ATOM	408	CE	MET	70	70.886	76.796	90.447	1.00	
ATOM	409		MET	70	74.868	80.270	92.633	1.00	19.79
ATOM	410	C	MET	70	75.992	79.965	93.004	1.00	20.13
ATOM	411	0		71	73.958	80.827	93.427	1.00	23.75
ATOM	412	N	ASP	71	74.194	81.184	94.832	1.00	24.77
ATOM	413	CA	ASP		72.863	81.499	95.539	1.00	29.35
ATOM	414	CB	ASP	71	72.367	82.882	95.265	1.00	38.41
ATOM	415	CG	ASP	71	72.307 73.156	83.834	95.406	1.00	47.71
ATOM	416	OD1	ASP	71		83.021	94.930	1.00	44.52
ATOM	417	OD2	ASP	71	71.177	80.080	95.643	1.00	22.82
ATOM	418	С	ASP	71	74.842		96.404	1.00	23.85
ATOM	419	0	ASP	71	75.774	80.331	95.508	1.00	19.87
ATOM	420	N	THR	72	74.293	78.875	96.258	1.00	17.82
ATOM	421	CA	THR	72	74.746	77.713	96.711	1.00	14.30
ATOM	422	СВ	THR	72	73.531	76.878		1.00	13.27
	423	OG1	THR	72	72.808	76.423	95.562		12.15
ATOM	424	CG2	THR	72	72.608	77.713	97.557	1.00	17.18
ATOM		C	THR	72	75.725	76.792	95.534	1.00	
ATOM	425	ŏ	THR	72	75.864	75.623	95.898	1.00	18.53
ATOM	426		VAL	73	76.394	77.291	94.504	1.00	14.78
MOTA	427	N	VAL	73	77.317	76.440	93.786	1.00	13.05
MOTA	428	CA		73	76.773	76.032	92.388	1.00	10.97
MOTA	429	СВ	VAL	73	77.717	75.035	91.741	1.00	9.58
ATOM	430	CG1	VAL		75.365	75.434	92.482	1.00	8.96
ATOM	431	CG2	VAL	73	78.661	77.111	93.589	1.00	16.49
MOTA	432	С	VAL	73	79.675	76.677	94,160	1.00	15.55
ATOM	433	0	VAL	73		78.223	92.860	1.00	17.15
ATOM	434	N	THR	74	78.650	78.896	92.539	1.00	18.39
ATOM	435	CA	THR	74	79.894	78.965	91.011	1.00	17.98
ATOM	436	CB	THR	74	80.096	78.905 77.675	90.436	1.00	24.62
ATOM	437	OG1	THR	74	79.847		90.675	1.00	19.70
ATOM	438	CG2	THR	74	81.531	79.368	93.116	1.00	18.82
ATOM	439	С	THR	74	80.253	80.257	92.847	1.00	20.11
ATOM	440	0	THR	74	79.606	81.274		1.00	18.87
ATOM	441	N	GLU	75	81.354	80.247	93.854	1.00	18.61
ATOM	442	CA	GLU	75	81.969	81.425	94.439	1.00	14.35
ATOM	443	СВ	GLU	75	81.534	81.645	95.886		15.80
	444	CG	GLU	75	80.255	82.451	95.967	1.00	21.75
ATOM	445	CD	GLU	75	79.843	82.834	97.379	1.00	
ATOM		OE1	GLU	75	80.413	82.310	98.363	1.00	26.31
ATOM	446	OE2	GLU	75	78.917	83.664	97.505	1.00	20.92
ATOM	447	C	GLU	75	83.469	81.131	94.301	1.00	19.83
ATOM	448		GLU	75	83.847	80.171	93.619	1.00	19.89
MOTA	449	0	ALA	76	84.326	81.934	94.919	1.00	20.57
MOTA	450	N		76	85.762	81.724	94.787	1.00	18.25
ATOM	451	CA	ALA	76 76	86.517	82.637	95.713	1.00	22.39
MOTA	452	CB	ALA		86.178	80.278	95.008	1.00	17.57
MOTA	453	С	ALA	76		79.652	94.110	1.00	18.52
MOTA	454	0	ALA	76	86.733	79.739	96.177	1.00	16.64
ATOM	455	N	GLY	77	85.845		96.513	1.00	16.11
ATOM	456	CA	GLY	77	86.203	78.372		1.00	18.32
ATOM	457	С	GLY	77	85.960	77.364	95.406	1.00	
ATOM	458	Ō	GLY	77	86.870	76.624	95.036	1.00	
ATOM	459	N	MET	78	84.744	77.345	94.866	1.00	
MOTA	460	CA	MET	78	84.381	76.420	93.797		
ATOM	461	СВ	MET	78	82.878	76.495	93.501	1.00	14.03
ATOM	701								

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				70	82.379	75.543	92.416		9.04
ATOM	462		MET	78 70	82.630	73.797	92.794		9.74
ATOM	463	SD	MET	78	81.306	73.505	93.947		4.67
ATOM	464	CE	MET	78	85.174	76.725	92.539	1.00	18.93
ATOM	465	С	MET	78	85.817	75.835	91.985	1.00	20.73
ATOM	466	0	MET	78	85.173	77.990	92.122	1.00	19.92
ATOM	467	N	ALA	79	85.890	78.412	90.916	1.00	18.97
ATOM	468	CA	ALA	79	85.761	79.919	90.715	1.00	17.50
ATOM	469	CB	ALA	79	87.357	78.002	90.955	1.00	19.41
ATOM	470	С	ALA	79	87.912	77.573	89.949	1.00	21.40
ATOM	471	0	ALA	79	87.977	78.106	92.125	1.00	20.17
ATOM	472	N	ILE	80	89.383	77.739	92.281	1.00	20.16
ATOM	473	CA	ILE	80	89.964	78.235	93.641	1.00	18.57
ATOM	474	CB	ILE	80	91.349	77.658	93.385	1.00	16.92
ATOM	475	CG2	ILE	80	90.034	79.758	93.662	1.00	19.76
ATOM	476	CG1	ILE	80	90.403	80.338	95.011	1.00	22.90
ATOM	477	CD1	ILE	80	89.547	76.228	92.188	1.00	19.90
ATOM	478	С	ILE	80	90.330	75.740	91.381	1.00	19.26
ATOM	479	0	ILE	80	88.773	75.496	92.984	1.00	20.78
ATOM	480	N	ALA	81	88.850	74.038	93.014	1.00	21.41
ATOM	481	CA	ALA	81	87.876	73.479	94.027	1.00	22.18
ATOM	482	СВ	ALA	81	88.586	73.439	91.653	1.00	22.24
ATOM	483	С	ALA	81	89.308	72.544	91.210	1.00	25.18
ATOM	484	0	ALA	81 82	87.576	73.971	90.977	1.00	21.26
ATOM	485	N	MET	82	87.187	73.506	89.653	1.00	20.10
ATOM	486	CA	MET	82 82	85.905	74.220	89.215	1.00	20.89
ATOM	487	СВ	MET	82	85.096	73.499	88.147	1.00	22.31
ATOM	488	CG	MET MET	82	84.241	72.058	88.768	1.00	17.73
MOTA	489	SD	MET	82	83.598	72.738	90.224	1.00	16.02
MOTA	490	CE	MET	82	88.307	73.740	88.628	1.00	18.83
MOTA	491	CO	MET	82	88.535	72.905	87.754	1.00	19.46 18.24
ATOM	492	N	ALA	83	88.992	. 74.877	88.723	1.00	17.87
ATOM	493	CA	ALA	83	90.082	75.184	87.801	1.00	13.75
ATOM	494 495	CB	ALA	83	90.501	76.642	87.925	1.00 1.00	18.76
ATOM	495 496	C	ALA	83	91.267	74.269	88.072	1.00	18.19
ATOM	490 497	ŏ	ALA	83	91.869	73.732	87.143	1.00	19.47
ATOM	498	Ň	LEU	84	91.568	74.060	89.352	1.00	19.62
MOTA MOTA	499	CA	LEU	84	92.687	73.213	89.754	1.00	17.06
ATOM	500	СВ	LEU	84	92.864	73.216	91.282	1.00	14.41
ATOM	501	CG	LEU	84	93.341	74.485	92.011 93.508	1.00	9.31
MOTA	502	CD1	LEU	84	93.302	74.256	93.500	1.00	10.69
ATOM	503	CD2	LEU	84	94.742	74.893	89.268	1.00	22.34
ATOM	504	С	LEU	84	92.518	71.778	88.986	1.00	24.52
ATOM	505	0	LEU	84	93.503	71.089	89.160	1.00	22.85
ATOM	506	N	THR	85	91.276	71.321 69.954	88.734	1.00	19.74
ATOM	507	CA	THR	85	91.030	69.343	89.481	1.00	17.66
ATOM	508	CB	THR	85	89.824	70.165	89.301	1.00	16.20
ATOM	509	OG1		85	88.669	69.242	90.962	1.00	13.32
ATOM	510	CG2		85	90.137		87.232	1.00	19.88
ATOM	511	С	THR	85	90.927		86.758	1.00	
ATOM	512	0	THR	85	90.970		86.473	1.00	
ATOM	513	N	GLY	86	90.816		85.030	1.00	
ATOM	514	CA	GLY	86			84.362	1.00	18.45
ATOM	515	С	GLY	86	89.580 89.538		83.129	1.00	21.10
ATOM	516	0	GLY	86			85.151	1.00	16.36
ATOM	517	N	GLY	87 97	_		84.596	1.00	
ATOM	518	CA	GLY	87 87				1.00) 14.34
ATOM	519	С	GLY	0/	07.550				

				0.7	88.616	74.606	84.784		16.64
ATOM	520	0	GLY	•	86.381	74.659	85.051		13.64
ATOM	521	N	ILE		86.315	76.097	85.292		14.14
ATOM	522	CA	ILE	88		76.910	83.957		13.53
ATOM	523	CB	ILE	88	86.337	76.758	83.207		13.51
ATOM	524	CG2	ILE	88	85.019	78.398	84.233	1.00	12.85
ATOM	525	CG1	ILE	88	86.596	79.248	82.974		7.87
ATOM	526	CD1	ILE	88	86.774	76.404	86.062		16.48
ATOM	527	С	ILE	88	85.033	75.564	86.142		18.54
ATOM	528	0	ILE	88	84.130	75.5 04 77.591	86.652	1.00	15.46
ATOM	529	N	GLY	89	84.962		87.389	1.00	14.33
ATOM	530	CA	GLY	89	83.775	77.965 79.336	86.965	1.00	15.78
ATOM	531	С	GLY	89	83.293	79.330 80.128	86.430	1.00	16.51
ATOM	532	0	GLY	89	84.073	79.584	87.145	1.00	15.87
ATON	533	N	PHE	90	81.997		86.820	1.00	13.02
ATOM	534	CA	PHE	90	81.370	80.858	85.748	1.00	10.44
ATOM	535	CB	PHE	90	80.302	80.671	84.366	1.00	7.78
ATOM	536	CG	PHE	90	80.849	80.519	83.889	1.00	7.49
ATOM	537	CD1	PHE	90	81.236	79.271	83.543	1.00	2.32
ATOM	538	CD2	PHE	90	81.002	81.627	82.608	1.00	2.11
ATOM	539	CE1	PHE	90	81.765	79.133	82.264	1.00	2.00
ATOM	540	CE2	PHE	90	81.529	81.492	81.803	1.00	2.00
ATOM	541	CZ	PHE	90	81.911	80.244	88.092	1.00	14.14
ATOM	542	С	PHE	90	80.734	81.412	88.630	1.00	16.10
ATOM	543	Ō	PHE	90	79.793	80.824	88.586	1.00	14.53
ATOM	544	N	ILE	91	81.259	82.530	89.810	1.00	12.62
ATOM	545	CA	ILE	91	80.740	83.147	90.299	1.00	10.72
ATOM	546	СВ	ILE	91	81.640	84.310	91.712	1.00	9.90
ATOM	547	CG2	ILE	91	81.243	84.711	90.241	1.00	11.39
ATOM	548	CG1	ILE	91	83.123	83.921	91.181	1.00	13.02
ATOM	549	CD1	ILE	91	83.527	82.815	89.556	1.00	12.28
ATOM	550	С	ILE	91	79.343	83.704	88.494	1.00	13.30
ATOM	551	0	ILE	91	79.072	84.264	90.531	1.00	13.70
ATOM	552	N	HIS	92	78.458	83.546	90.407	1.00	13.81
ATOM	553	CA	HIS	92	77.093	84.044	91.488	1.00	13.49
ATOM	554	СВ	HIS	92	76.191	83.431 83.993	92.859	1.00	11.95
ATOM	555	CG	HIS	92	76.413	85.118	93.448	1.00	10.24
ATOM	556	CD2	HIS	92	75.949	83.358	93.808	1.00	16.02
ATOM	557	ND1	HIS	92	77.183	84.063	94.924	1.00	12.53
ATOM	558 [°]	CE1	HIS	92	77.183	85.137	94.731	1.00	14.71
ATOM	559	NE2	HIS	92	76.442 77.088	85.567	90.527	1.00	13.18
MOTA	560	С	HIS	92		86.150	91.087	1.00	13.75
ATOM	561	0	HIS	92	78.006 76.043	86.205	90.020	1.00	13.84
ATOM	562	N	HIS	93	75.943	87.653	90.095	1.00	14.71
ATOM	563	CA	HIS	93	75.788	88.276	88.705	1.00	17.81
ATOM	564	CB	HIS	93	74.533	87.885	87.985	1.00	23.00
ATOM	565	CG	HIS	93	74.555	86.718	87.411	1.00	27.41
ATOM	566	CD2		93	73.509	88.776	87.749	1.00	25.59
MOTA	567	ND1		93	72.559	88.175	87.055	1.00	27.85
MOTA	568	CE1		93	72.926	86.926	86.836	1.00	24.93
MOTA	569	NE2	HIS	93	74.831	88.105	91.025	1.00	14.74
ATOM	570	С	HIS	93	74.851	89.228	90.945	1.00	15.99
ATOM	571	0	HIS	93	74.339	87.201	91.885	1.00	17.54
MOTA	572	Ν	ASN	94	73.340		92.860	1.00	18.66
MOTA	573	CA	ASN	94	73.340 72.566		93.225	1.00	20.67
MOTA	574	СВ	ASN	94	72.500		94.175	1.00	
ATOM	575	CG	ASN	94	71.278		95.199	1.00	
MOTA	576	OD					93.819	1.00	19.79
ATOM	577	ND:	2 ASN	34	, 0.002				

FIGURE 1 (CONT.) 1.00 19.98 88.067 94.088 74.056 ASN 94 С 19.74 578 1.00 **ATOM** 95.189 87.526 73.932 **ASN** 94 0 19.29 1.00 579 93.863 **ATOM** 89.113 74.852 CYS 95 20.12 Ν 1.00 580 94.896 **ATOM** 89.783 75.637 95 CA **CYS** 20.79 1.00 581 **ATOM** 95.182 88.986 76.902 95 **CYS** CB 1.00 23.06 582 93.694 **ATOM** 88.599 77.831 95 CYS 583 SG 1.00 22.11 94.343 **ATOM** 91.152 76.014 95 CYS С 1.00 24.36 584 93.228 **ATOM** 91.490 75.616 95 **CYS** 0 21.65 585 1.00 95.115 **ATOM** 91.954 76.745 96 THR Ν 22.63 586 1.00 **ATOM** 94.639 93.277 96 77.145 **THR** CA 24.51 587 1.00 **MOTA** 95.778 94.193 77.634 96 THR 29.99 588 CB 1.00 **ATOM** 96.520 93.540 78.672 THR 96 OG1 27.18 589 1.00 94.560 96.709 MOTA 76,494 96 THR 22.82 CG2 590 1.00 93.628 MOTA 93.155 78.271 96 С THR 23.49 591 1.00 **ATOM** 93.654 92.191 79.039 96 0 THR 23.91 592 1.00 **ATOM** 92.710 94.128 78.378 97 **PRO** Ν 23.87 593 92.438 1.00 **ATOM** 95.220 77.427 97 PRO CD 23.66 594 91.702 1.00 **ATOM** 94.099 79.440 97 **PRO** CA 595 22.66 1.00 **ATOM** 90.989 79.250 95.433 97 PRO CB 22.97 596 1.00 **ATOM** 91.009 95.597 77.769 97 **PRO** CG 25.33 597 **MOTA** 1.00 92.391 94.013 80.798 97 PRO C 25.86 598 **ATOM** 1.00 91.914 93.328 81.704 **PRO** 97 0 26.55 599 1.00 **ATOM** 93.536 94.687 80.906 98 Ν **GLU** 28.76 600 **ATOM** 94.344 1.00 94.703 82.126 98 **GLU** CA 29.88 601 1.00 **ATOM** 95.564 95.621 81.952 98 CB GLU 38.55 602 1.00 **MOTA** 95.255 97.096 81.732 98 GLU 41.59 CG MOTA 603 1.00 94.870 97,439 80.297 **GLU** 98 CD 39.58 604 **ATOM** 1.00 95.641 79.373 97.094 98 **GLU** OE1 43.89 605 1.00 **ATOM** 93.811 98.084 80.100 98 **GLU** OE2 30.16 606 1.00 **ATOM** 94.835 93.288 82.469 98 **GLU** С 31.09 607 1.00 **ATOM** 94.653 92,795 83.596 **GLU** 98 0 28.04 608 **ATOM** 1.00 95.449 92.645 81.478 99 PHE Ν 24.81 609 **ATOM** 1.00 95.989 91.302 81.619 PHE 99 CA 23,36 610 1.00 **MOTA** 96.619 90.871 80.301 PHE 99 CB 24.63 611 1.00 **MOTA** 97.235 89.502 80.334 99 PHE 612 CG 26.18 1.00 MOTA 98.563 89.335 80.695 99 PHE CD1 21.79 613 1.00 **ATOM** 96.502 88.384 79.951 PHE 99 CD2 26.07 614 1.00 **ATOM** 99.159 80.668 88.075 99 PHE CE1 20.62 615 1.00 **ATOM** 97.088 87.132 79.922 PHE 99 CE2 616 1.00 22.53 MOTA 98.422 86.975 80.282 PHE 99 617 CZ 1.00 23.00 MOTA 94.905 90.322 82.004 PHE 99 С 618 1.00 23.86 MOTA 95.052 89.577 82.969 PHE 99 0 21.74 MOTA 619 1.00 93.813 90.336 81.249 100 **GLN** Ν 22.80 620 1.00 **ATOM** 92.698 89.437 81.495 **GLN** 100 CA 22.40 621 1.00 MOTA 91.581 89.671 80.488 **GLN** 100 CB 22.81 622 1.00 **ATOM** 90.646 88.486 80.388 **GLN** 100 CG 623 1.00 21.83 MOTA 89.417 88.781 79.585 100 **GLN** CD 1.00 25.98 624 **ATOM** 89.051 89.941 79.391 **GLN** 100 OE1 625 19.59 1.00 **ATOM** 88.758 87.739 79.120 100 NE₂ **GLN** 23.30 626 1.00 **ATOM** 92.154 89.608 100 82.900 **GLN** С 23.42 627 1.00 **ATOM** 91.951 88.626 83.625 100 **GLN** 0 628 1.00 24.22 **MOTA** 91.920 90.859 83.281 101 ALA Ν 629 1.00 22.74 **ATOM** 91.413 91.177 84.609 101 ALA CA 630 21.49 **ATOM** 1.00 91.159 92.669 84.725

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						90.714	96.101	1.00	24.55
ATOM	636	CB	ASN		85.939	90.714	97.142	1.00	27.11
ATOM	637	CG	ASN		86.996		97.028	1.00	29.62
ATOM	638	OD1	ASN		88.152	90.789	98.165	1.00	27.00
ATOM	639	ND2	ASN		86.602	89.629	94.594	1.00	25.46
	640	C	ASN	102	86.511	88.817		1.00	28.34
ATOM	641	ŏ	ASN	102	87.604	88.277	94.797	1.00	25.42
ATOM	642	Ň	GLU	103	85.408	88.134	94.294		21.99
ATOM		CA	GLU	103	85.429	86.682	94.153	1.00	22.69
ATOM	643	CB	GLU	103	84.009	86.126	94.011	1.00	21.23
ATOM	644	CG	GLU	103	83.157	86.237	95.263	1.00	22.96
MOTA	645	CD	GLU	103	83.850	85.685	96.492	1.00	
MOTA	646	OE1	GLU	103	83.874	84.451	96.667	1.00	17.62
ATOM	647		GLU	103	84.382	86.493	97.281	1.00	29.03
ATOM	648	OE2	GLU	103	86.278	86.304	92.940	1.00	20.97
MOTA	649	C	GLU	103	86.985	85.299	92.966	1.00	22.40
ATOM	650	0		104	86.217	87.116	91.887	1.00	18.20
ATOM	651	N	VAL	104	87.017	อิติ.ช73	90.683	1.00	18.88
ATOM	652	CA	VAL	104	86.620	87.824	89.521	1.00	17.86
ATOM	653	СВ	VAL		87.427	87.506	88.255	1.00	16.68
ATOM	654	CG1	VAL	104	85.138	87.722	89.245	1.00	17.68
ATOM	655	CG2	VAL	104	88.493	87.104	91.019	1.00	19.92
ATOM	656	С	VAL	104	89.355	86.302	90.666	1.00	21.70
ATOM	657	0	VAL	104		88.189	91.737	1.00	21.51
ATOM	658	N	ARG	105	88.764	88.557	92.142	1.00	20.02
ATOM	659	CA	ARG	105	90.111	89.879	92.889	1.00	22.18
ATOM	660	CB	ARG	105	90.067	90.495	93.190	1.00	23.09
ATOM	661	CG	ARG	105	91.415		94.184	1.00	25.23
ATOM	662	CD	ARG	105	91.260	91.639	95.470	1.00	26.67
ATOM	663	NE	ARG	105	90.729	91.185	96.356	1.00	25.55
ATOM	664	CZ	ARG	105	91.421	90.471	96.101	1.00	23.83
ATOM	665	NH1	ARG	105	92.678	90.128	97.494	1.00	24.03
ATOM	666	NH2	ARG	105	90.854	90.091	93.016	1.00	21.25
ATOM	667	С	ARG	105	90.750	87.485		1.00	23.00
ATOM	668	0	ARG	105	91.927	87.173	92.846	1.00	21.27
ATOM	669	N	LYS	106	89.991	86.934	93.961	1.00	23.38
ATOM	670	CA	LYS	106	90.511	85.879	94.837	1.00	25.15
ATOM	671	СВ	LYS	106	89.429	85.363	95.789	1.00	26.05
ATOM	672	CG	LYS	106	89.012	86.317	96.883	1.00	24.75
ATOM	673	CD	LYS	106	87.917	85.692	97.720	1.00	29.64
	674	CE	LYS	106	87.424	86.662	98.761		31.16
ATOM	675	NZ	LYS	106	86.273	86.122	99.528	1.00	25.07
MOTA	676	c	LYS	106	90.988	84.705	93.992	1.00	25.83
MOTA	677	Ö	LYS	106	92.099	84.199	94.174	1.00	25.62
MOTA	678	Ň	VAL	107	90.119	84.26 9	93.084	1.00	26.60
MOTA	679	CA	VAL	107	90.411	83.156	92.193	1.00	29.16
ATOM	680	СВ	VAL	107	89.172	82.815	91.313	1.00	
ATOM		CG1	VAL	107	89.529	81.801	90.242	1.00	34.41
ATOM	681	CG2		107	88.066	82.255	92.175	1.00	28.28
ATOM	682	C	VAL	107	91.622	83.488	91.323	1.00	26.84
ATOM	683	Ö	VAL	107	92.581	82.713	91.272	1.00	27.67
ATOM	684		LYS	108	_	84.662	90.694	1.00	25.49
MOTA	685	N	LYS	108		85.083	89.838	1.00	24.82
ATOM	686	CA	LYS	108		86.418	89.155	1.00	22.18
MOTA	687	CB	LYS	108			88.163	1.00	17.36
MOTA	688	CG		108		85.228	87.161	1.00	
MOTA	689	CD	LYS	108			86.276	1.00	
ATOM	690	CE	LYS	108			85.287	1.00	
MOTA	691	NZ	LYS	108			90.558	1.00	24.98
ATOM	692	C	LYS	108			89.998	1.00	24.14
ATOM	693	0	LYS	100	, 53.001	J-7., J&			

				400	94.053	85.621	91.804	1.00	27.11
ATOM	694	N	LYS		94.055 95.284	85.746	92.579	1.00	28.48
ATOM	695	CA	LYS		95.204	86.933	93.541	1.00	29.75
ATOM	696	CB	LYS		95.849	88.195	93.020	1.00	31.35
ATOM	697	CG	LYS	109 109	95.139	88.710	91.789	1.00	35.15
ATOM	698	CD	LYS	109	95.870	89.897	91.196	1.00	40.43
ATOM	699	CE	LYS	109	97.184	89.511	90.621	1.00	41.81
ATOM	700	NZ	LYS	109	95.651	84.503	93.369	1.00	29.07
ATOM	701	C	LYS	109	96.618	84.520	94.123	1.00	33.10
ATOM	702	0	LYS	110	94.891	83.430	93.219	1.00	29.29
ATOM	703	N	TYR TYR	110	95.195	82.212	93.956	1.00	29.26
ATOM	704	CA	TYR	110	94.086	81.186	93.770	1.00	23.08
ATOM	705	CB CG	TYR	110	94.334	79.910	94.521		18.23
ATOM	706	CD1	TYR	110	94.840	78.788	93.873	1.00	16.87
ATOM	707	CE1	TYR	110	95.064	77.606	94.563	1.00	20.13
ATOM	708	CD2	TYR	110	94.058	79.822	95.884	1.00	16.67 15.96
ATOM	709 710	CE2	TYR	110	94.278	78.647	96.586	1.00	20.03
ATOM	711	CZ	TYR	110	94.780	77.541	95.919	1.00	24.77
ATOM	711	ОH	TYR	110	94.994	76.366	96.605	1.00	31.47
MOTA	712	Ċ.	TYR	110	96.541	81.605	93.551	1.00	30.19
MOTA	714	Ö	TYR	110	97.252	81.042	94.381	1.00 1.00	33.91
MOTA	715	Ň	GLU	111	96.865	81.693	92.268	1.00	36.77
MOTA	716	CA	GLU	111	98.120	81.158	91.757	1.00	39.21
MOTA MOTA	717	СВ	GLU	111	97.881	79.801	91.087	1.00	40.47
ATOM	718	CG	GLU	111	99.153	79.035	90.772	1.00	40.03
ATOM	719	CD	GLU	111	98.894	77.697	90.115 90.552	1.00	36.17
ATOM	720	OE1	GLU	111	97.978	76.970	90.552 89.160	1.00	47.17
ATOM	721	OE2	GLU	111	99.623	77.367	90.746	1.00	37.77
ATOM	722	· C	GLU	111	98.627	82.177	89.886	1.00	36.85
ATOM	723	0	GLU	111	97.867	82.622 82.546	90.847	1.00	39.85
ATOM	724	N	GLN	112	99.901	83.557	89.947	1.00	43.24
ATOM	725	CA	GLN	112	100.455	84.872	90.709	1.00	44.65
ATOM	726	CB	GLN	112	100.630	85.463	91.255	1.00	45.65
ATOM	727	CG	GLN	112	99.351 99.615	86.631	92.169	1.00	48.62
ATOM	728	CD	GLN	112	100.161	87.656	91.749	1.00	51.83
ATOM	729	OE1	GLN	112 112	99.243	86.484	93.433	1.00	48.44
MOTA	730	NE2	GLN	112	101.768	83.239	89.236	1.00	43.51
MOTA	731	C	GLN GLN	112	101.930	83.530	88.048	1.00	43.39
MOTA	732	0	GLN	113	102.727	82.694	89.972	1.00	43.98
ATOM	733	N CA	GLY	113	104.016	82.417	89.370	1.00	46.07
ATOM	734	CA	GLY	113	104.873	83.672	89.450	1.00	45.94
ATOM	735	0	GLY	113	105.211	84.114	90.551	1.00	44.69
ATOM	736 737	N	PHE	114	105.178	84.274	88.303	1.00	46.93
ATOM	737 738	CA	PHE	114	106.012	85.476	88.258	1.00	49.84
ATOM	739	СВ	PHE	114	106.576	85.697	86.848	1.00	49.51
MOTA MOTA	740	CG	PHE	114	107.780		86.538	1.00	53.18 54.85
ATOM	741	CD1	PHE	114	109.002	85.113	87.147	1.00	55.88
ATOM	742	CD2		114	107.690		85.653	1.00	54.76
ATOM	743	CE1	PHE	114	110.116	84.320	86.883	1.00	
ATOM	744	CE2		114	108.801	82.986	85.383	1.00 1.00	
ATOM	745	CZ	PHE	114			86.002	1.00	
ATOM	746	С	PHE	114			88.714	1.00	
ATOM	747	0	PHE	114			87.889	1.00	
ATOM	748	N	ILE	115			90.018 90.559	1.00	
ATOM	749	CA	ILE	115			92.092	1.00	
ATOM	750	СВ	ILE	115			92.092	1.00	
ATOM	751	CG2	2 ILE	115	103.87	9 86.587	32.403	1.50	, , , , , ,

				404	115.979	91.696	103.329	1.00	83.91
ATOM	810	CA	ALA	131	116.601	91.294	101.015	1.00	81.04
ATOM	811	N	ALA	132		91.354	99.810	1.00	80.28
ATOM	812	CA	ALA	132	117.423	90.807	98.627	1.00	80.36
ATOM	813	СВ	ALA	132	116.642	92.740	99.476	1.00	80.39
ATOM	814	С	ALA	132	117.962 117.357	93.757	99.820	1.00	80.20
ATOM	815	0 .	ALA	132		92.771	98.819	1.00	80.93
ATOM	816	N	ALA	133	119.116	94.022	98.414	1.00	81.53
ATOM	817	CA	ALA	133	119.746 121.079	94.193	99.123	1.00	80.70
MOTA	818	CB	ALA	133	121.079	94.038	96.902	1.00	82.58
ATOM	819	С	ALA	133		94.358	96.414	1.00	82.75
ATOM	820	0	ALA	133	121.026 118.887	93.681	96.173	1.00	83.81
ATOM	821	N	ALA	134	118.921	93.629	94.711	1.00	83.39
ATOM	822	CA	ALA	134	117.965	92.545	94.198	1.00	82.19
ATOM	823	СВ	ALA	134		94.980	94.097	1.00	82.93
ATOM	824	C	ALA	134	118.568 119.388	95.912	94.241	1.00	82.67
ATOM	825	0_	ALA	134	120.001	97.614	89.743	1.00	101.69
ATOM	826	СВ	ALA	150	118.719	98.142	91.821	1.00	100.94
ATOM	827	C	ALA	150	117.883	97.395	92.335	1.00	100.35
ATOM	828	0	ALA	150	120.213	96.186	91.749	1.00	101.14
MOTA	829	N	ALA	150	120.213	97.577	91.261	1.00	101.10
ATOM	830	CA	ALA	150	118.540	99.452	91.659	1.00	101.13
ATOM	831	N	ALA	151	116.340	100.181	92.157	1.00	100.24
MOTA	832	CA	ALA	151		99.469	91.761	1.00	100.01
ATOM	833	CB	ALA	151	116.061 117.505	100.323	93.681	1.00	98.83
ATOM	834	C	ALA	151	117.505	100.323	94.154	1.00	99.01
ATOM	835	0	ALA	151	116.409	99.649	94.440	1.00	96.46
ATOM	836	N	ALA	152		99.696	95.902	1.00	92.96
ATOM	837	CA	ALA	152	116.703 116.218	101.052	96.416	1.00	93.49
ATOM	838	СВ	ALA	152	115.857	98.567	96.484	1.00	90.09
ATOM	839	C	ALA	152	115.657	98.644	97.620	1.00	89.57
ATOM	840	0	ALA	152	115.307	97.496	95.710	1.00	87.27
ATOM	841	N	ALA	153	114.922	96.345	96.118	1.00	85.11
ATOM	842	CA	ALA	153	115.035	95.242	95.089	1.00	87.03
ATOM	843	СВ	ALA	153 153	115.033	95.820	97.497	1.00	83.27
ATOM	844	C	ALA	153	116.343	95.190	97.687	1.00	82.09
ATOM	845	0	ALA	154	114.438	96.116	98.464	1.00	82.07
ATOM	846	N	ALA	154	114.633	95.680	99.838	1.00	79.91
ATOM	847	CA	ALA	154	113.774	96.528	100.784	1.00	80.13
ATOM	848	CB	ALA	154	114.308	94.188	100.000	1.00	77.83
ATOM	849	C	ALA	154	114.751	93.551	100.963	1.00	77.74
MOTA	850	0	ALA	155	113.533	93.640	99.066	1.00	74.67
MOTA	851	N	ALA	155	113.145	92.231	99.083	1.00	71.48
ATOM	852	CA	ALA	155	112.173	91.958	100.221	1.00	70.07
ATOM	853	CB	ALA ALA	155	112.518	91.835	97.752	1.00	70.62
ATOM	854	C	ALA	155	112.036	92.752	97.053	1.00	68.84
ATOM	855	O	ALA	178	117.058	95.505	102.209	1.00	58.93
ATOM	856	СВ	ALA	178	119.494	95.204	102.731	1.00	57.03
ATOM	857	C	ALA	178	120.605	95.013	102.255	1.00	55.07
MOTA	858	0	ALA	178	118.804	95.985	100.513	1.00	59.48
ATOM	859	N	ALA	178	118.475	96.029	101.962	1.00	58.59
ATOM	860	CA		179	119.102	94.724	103.907	1.00	57.92
ATOM	861	N	ALA	179	119.967	93.936	104.773	1.00	60.34
ATOM	862	CA	ALA ALA	179	119.171	93.363	105.938	1.00	61.38
ATOM	863	СВ		179	120.710	92.832	104.044	1.00	61.59
ATOM	864	C	ALA	179	121.839	93.038	103.606	1.00	61.85
ATOM	865	0	ALA	180	121.033		103.923	1.00	63.95
ATOM	866	N	THR	180			103.245	1.00	65.71
ATOM	867	CA	THR	100	120.710	00.000			

					505	00.226	92.919	1.00	58.54
ATOM	752	CG1	ILE	115	105.595	88.326	94.423	1.00	58.29
ATOM	753	CD1	ILE	115	105.376	88.251		1.00	56.92
ATOM	754	С	ILE	115	105.429	89.418	90.237	1.00	57.36
ATOM	755	0	ILE	115	106.630	89.476	90.516		58.66
ATOM	756	N	THR	116	104.788	90.399	89.605	1.00	61.25
ATOM	757	CA	THR	116	105.474	91.633	89.222	1.00	
	757 758	CB	THR	116	105.077	92.065	87.797	1.00	60.84
ATOM	759	OG1	THR	116	105.221	90.952	86.908	1.00	59.09
ATOM		CG2	THR	116	105.966	93.213	87.312	1.00	62.79
ATOM	760		THR	116	105.304	92.822	90.171	1.00	62.74
ATOM	761	C	THR	116	106.278	93.470	90.538	1.00	62.00
ATOM	762	0	ASP	117	104.067	93.118	90.553	1.00	65.44
ATOM	763	N	ASP	117	103.803	94.241	91.448	1.00	68.28
ATOM	764	CA		117	102.351	94.209	91.959	1.00	70.75
ATOM	765	СВ	ASP	117	101.990	92.899	92.650	1.00	73.11
ATOM	766	CG	ASP		101.350	92.805	93.884	1.00	74.55
ATOM	767	OD1	ASP	117		91.970	91.961	1.00	74.48
ATOM	768	OD2	ASP	117	101.512	94.296	92.614	1.00	68.68
ATOM	769	С	ASP	117	104.789	95.303	92.819	1.00	69.52
ATOM	770	0	ASP	117	105.478		93.333	1.00	68.01
ATOM	771	N	ALA	118	104.909	93.187	94.466	1.00	67.77
ATOM	772	CA	ALA	118	105.812	93.131	95.483	1.00	65.37
ATOM	773	CB	ALA	118	105.317	92.112		1.00	68.47
ATOM	774	С	ALA	118	107.224	92.790	94.003		70.14
ATOM	775	Ō	ALA	118	107.904	91.980	94.640	1.00	
ATOM	776	Ň	ALA	119	107.681	93.441	92.933	1.00	67.63
ATOM	777	CA	ALA	119	109.021	93.204	92.399	1.00	65.42
	778	СВ	ALA	119	109.170	91.741	92.014	1.00	66.53
ATOM	779	C	ALA	119	109.392	94.098	91.210	1.00	64.47
ATOM	779 780	ŏ	ALA	119	109.417	93.639	90.065	1.00	64.14
ATOM		N	ALA	120	109.706	95.360	91.489	1.00	63.47
ATOM	781 782	CA	ALA	120	110.098	96.316	90.452	1.00	62.64
ATOM	782	CB	ALA	120	109.071	96.341	89.320	1.00	62.95
ATOM	783		ALA	120	110.260	97.714	91.040	1.00	62.70
ATOM	784	C	ALA	120	111.374	98.267	90.938	1.00	61.41
ATOM	785	0	ALA	125	109.000	94.859	98.198	1.00	153.76
ATOM	786	СВ		125	109.160	95.344	95.747	1.00	153.51
ATOM	787	C	ALA	125	109.100	94.992	94.829	1.00	153.54
ATOM	788	0	ALA		109.423	93.056	96.557	1.00	154.27
ATOM	789	N	ALA	125	109.423	94.339	96.796	1.00	153.73
ATOM	790	CA	ALA	125		96.581	95.860	1.00	153.23
ATOM	791	Ν	ALA	126	108.691	97.621	94.916	1.00	153.16
ATOM	792	CA	ALA	126	109.075		95.121	1.00	153.36
ATOM	793	СВ	ALA	126	108.212	98.860	95.120	1.00	153.01
ATOM	794	С	ALA	126	110.549	97.962		1.00	153.16
ATOM	795	0	ALA	126	111.079	97.803	96.222	1.00	152.83
ATOM	796	Ν	ALA	127	111.212	98.384	94.048		152.63
ATOM	797	CA	ALA	127	112.621	98.754	94.114	1.00	152.03
ATOM	798	СВ	ALA	127	113.447	97.885	93.169	1.00	
ATOM	799	С	ALA	127	112.758	100.234	93.758	1.00	152.39
ATOM	800	Ō	ALA	127	112.812	101.083	94.650	1.00	152.11
ATOM	801	Ň	ALA	128	112.772	100.532	92.459	1.00	152.16
ATOM	802	CA	ALA	128	112.884	101.901	91.953	1.00	151.90
ATOM	803	СВ	ALA	128	111.505	102.561	91.919	1.00	151.79
	804	C	ALA	128	113.871	102.776	92.727	1.00	151.56
MOTA	805	Ö	ALA	128	115.058	102.392	92.783	1.00	151.27
MOTA		СВ	ALA	131	115.610	90.226	103.503	1.00	85.15
MOTA	806 807		ALA	131	116.950		102.162	1.00	82.41
ATOM	807	C	ALA	131	117.960		102.293	1.00	82.59
ATOM	808	0		131	114.753		103.126	1.00	84.45
ATOM	809	N	ALA	131	, , 7., 33	52.5.5			

					_		400 454	1.00	66.48
ATOM	868	СВ	THR	180	119.769	89.327	103.154		66.35
ATOM	869	OG1	THR	180	119.034	89.205	104.381	1.00	
	870	CG2	THR	180	120.569	88.047	102.927	1.00	66.06
ATOM	871	C	THR	180	121.139	90.989	101.851	1.00	66.16
ATOM		Ö	THR	180	120.313	91.168	100.950	1.00	67.87
ATOM	872		LYS	181	122.432	91.247	101.713	1.00	65.64
MOTA	873	N		181	122.995	91.718	100.463	1.00	64.54
MOTA	874	CA	LYS		124.436	92.200	100.664	1.00	65.30
ATOM	875	CB	LYS	181		91.387	101.658	1.00	66.54
ATOM	876	CG	LYS	181	125.255	91.984	103.053	1.00	66.15
ATOM	877	CD	LYS	181	125.181		103.078	1.00	65.67
ATOM	878	CE	LYS	181	125.741	93.398	104.451	1.00	68.13
ATOM	879	NZ	LYS	181	125.692	93.970		1.00	63.31
ATOM	880	С	LYS	181	122.921	90.750	99.291		63.71
ATOM	881	Ō	LYS	181	122.910	89.522	99.456	1.00	
ATOM	882	Ň	ARG	182	122.872	91.339	98.101	1.00	61.46
	883	CA	ARG	182	122.819	90.610	96.846	1.00	58.88
ATOM	884	СВ	ARG	182	122.421	91.564	95.716	1.00	54.15
ATOM	885	CG	ARG	182	121.792	90.907	94.497	1.00	48.60
ATOM		CD	ARG	182	122.610	89.741	94.004	1.00	43.01
MOTA	886		ARG	182	122.512	89.563	92.565	1.00	39.07
MOTA	887	NE		182	123.036	88.533	91.917	1.00	40.43
ATOM	888	CZ	ARG		122.913	88.445	90.600	1.00	40.22
ATOM	889	NH1	ARG	182	123.654	87.571	92.594	1.00	43.27
ATOM	890	NH2	ARG	182		90.054	96.573	1.00	59.57
ATOM	891	С	ARG	182	124.217		95.860	1.00	60.17
ATOM	892	0	ARG	182	125.011	90.671	97.187	1.00	59.09
ATOM	893	N	GLU	183	124.519	88.916		1.00	59.57
ATOM	894	CA	GLU	183	125.801	88.231	97.025		58.15
ATOM	895	СВ	GLU	183	126.975	89.090	97.517	1.00	57.54
ATOM	896	CG	GLU	183	126.849	89.602	98.937	1.00	57.54 57.01
ATOM	897	CD	GLU	183	127.979	90.536	99.327	1.00	
ATOM	898	OE1	GLU	183	128.763	90.171	100.233	1.00	55.91
ATOM	899	OE2	GLU	183	128.075	91.637	98.738	1.00	53.83
	900	C	GLU	183	125.716	86.921	97.794	1.00	60.42
ATOM	901	ŏ	GLU	183	126.235	85.891	97.356	1.00	60.81
MOTA	902	N	ASP	184	125.022	86.969	98.929	1.00	60.17
ATOM		CA	ASP	184	124.815	85.793	99.765	1.00	59.99
ATOM	903	CB	ASP	184	124.755	86.203	101.240	1.00	61.87
MOTA	904		ASP	184	126.073	86.771	101.743	1.00	64.92
MOTA	905	CG		184	126.328	87.976	101.538	1.00	67.44
MOTA	906	OD1	ASP	184	126.856	85.008	102.349	1.00	65.08
MOTA	907	OD2	ASP		123.499	85.119	99.348	1.00	59.20
MOTA	908	C	ASP	184	123.433	83.925	99.590	1.00	59.14
ATOM	909	0	ASP	184		85.897	98.677	1.00	57.41
ATOM	910	N	LEU	185	122.649	85.451	98.208	1.00	54.68
MOTA	911	CA	LEU	185	121.339		98.202	1.00	59.34
ATOM	912	CB	LEU	185	120.368	86.630		1.00	65.19
ATOM	913	CG	LEU	185	119.442	86.732	99.410		68.24
ATOM	914	CD1	LEU	185	118.532	87.934	99.228	1.00	
ATOM	915	CD2	LEU	185	118.621	85.444	99.556	1.00	67.95
ATOM	916	С	LEU	185	121.312	84.816	96.826	1.00	50.51
ATOM	917	Õ	LEU	185	121.970	85.296	95.903	1.00	51.04
ATOM	918	Ň	VAL	186	120.500	83.775	96.670	1.00	45.95
		CA	VAL	186	120.373	83.120	95.373	1.00	41.48
MOTA	919	CB	VAL	186	120.076	81.583	95.481	1.00	38.55
ATOM	920	CG1	VAL	186	119.581	81.216	96.851	1.00	38.61
ATOM	921		VAL	186	119.097		94.406	1.00	39.62
ATOM	922	CG2		186	119.351		94.523	1.00	38.45
ATOM	923	C	VAL		118.301		94.997	1.00	36.70
ATOM	924	0	VAL	186			93.268	1.00	37.17
ATOM	925	N	VAL	187	119.710	04.001	JJ.200		

ATOM 926 CA VAL 187 118,910 49.61.21 92.008 1.00 34.84 ATOM 927 CB VAL 187 119.220 86.787 90.701 1.00 36.83 ATOM 928 CG1 VAL 187 119.220 86.787 90.701 1.00 34.18 ATOM 929 CG2 VAL 187 119.444 87.125 93.149 1.00 37.22 ATOM 930 C VAL 187 119.364 83.971 91.054 1.00 37.22 ATOM 931 O VAL 187 119.364 82.919 90.922 1.00 37.22 ATOM 932 N ALA 188 117.824 84.383 90.176 1.00 38.14 ATOM 933 CA ALA 188 117.824 84.383 90.176 1.00 38.14 ATOM 934 CB ALA 188 117.824 84.383 90.176 1.00 38.15 ATOM 935 C ALA 188 117.824 84.720 87.812 1.00 39.78 ATOM 935 C ALA 188 117.824 84.720 87.812 1.00 39.78 ATOM 935 C ALA 188 118.816 84.720 87.812 1.00 39.78 ATOM 935 C ALA 188 118.817 83.213 86.349 1.00 40.14 ATOM 936 N PRO 189 118.041 84.430 86.637 1.00 42.26 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 42.26 ATOM 938 CD PRO 189 118.041 84.430 86.637 1.00 42.26 ATOM 939 CA PRO 189 118.024 85.317 85.463 1.00 44.91 ATOM 939 CA PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 941 CG PRO 189 118.906 85.519 84.890 1.00 46.91 ATOM 942 C PRO 189 116.625 85.519 84.890 1.00 46.91 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.16 ATOM 945 CA ALA 190 116.424 86.644 84.216 1.00 49.16 ATOM 946 CB ALA 190 116.424 86.644 84.216 1.00 49.16 ATOM 948 N ALA 190 116.424 86.644 84.216 1.00 49.16 ATOM 948 N ALA 190 116.428 86.012 81.619 1.00 55.47 ATOM 948 O ALA 190 116.428 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.864 85.577 81.941 1.00 55.47 ATOM 950 CA ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 69.78 ATOM 955 CB ILE 192 114.554 81.24 84.062 1.00 61.79 ATOM 950 CA ILE 192 114.554 81.24 84.062 1.00 61.79 ATOM 950 CA ILE 192 114.554 81.24 84.062 1.00 66.75 ATOM 950 C ILE 192 113.956 81.328 82.660 1.00 66.75 ATOM 960 CA ILE 192 113.573 81.933 81.00 66.74 ATOM 960 CA ILE 192 114.554 81.476 85.529 1.00 66.74 ATOM 960 CA ILE 192 114.554 81.476 86.552 1.00 67.74 ATOM 960 CA ILE 192 114.558 81.476 85.533 1.00 66.87 ATOM 960 CA ILE 192 114.558 81.476 85.533 1.00 66.75 A								00.040	1.00	35.95
ATOM 927 CB VAL 187 119.653 86.153 92.008 1.00 36.63 ATOM 928 CG1 VAL 187 119.220 86.767 90.701 1.00 36.63 ATOM 929 CG2 VAL 187 119.444 87.125 93.149 1.00 37.32 ATOM 930 C VAL 187 119.364 82.919 90.922 1.00 37.32 ATOM 931 O VAL 187 119.364 82.919 90.922 1.00 37.27 ATOM 932 N ALA 188 117.579 83.687 88.924 1.00 38.14 ATOM 933 CA ALA 188 117.579 83.687 88.924 1.00 38.14 ATOM 935 CA ALA 188 117.462 84.720 87.812 1.00 39.78 ATOM 935 C ALA 188 116.316 82.867 89.016 1.00 39.78 ATOM 935 C ALA 188 116.878 85.786 88.090 1.00 42.72 ATOM 936 O ALA 188 116.878 85.786 88.090 1.00 42.72 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 42.72 ATOM 939 CA PRO 189 118.041 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 118.024 85.317 85.463 1.00 42.51 ATOM 940 CB PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 941 CG PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 944 N ALA 190 115.139 85.519 85.509 1.00 41.78 ATOM 945 CA ALA 190 115.139 86.925 85.305 1.00 47.69 ATOM 946 CB ALA 190 115.139 88.925 83.305 1.00 46.91 ATOM 946 CB ALA 190 115.139 88.925 83.305 1.00 47.80 ATOM 947 C ALA 190 115.139 88.417 83.309 1.00 52.79 ATOM 948 O ALA 190 115.139 88.417 83.309 1.00 53.46 ATOM 949 N GLY 191 113.866 85.577 81.941 1.00 55.80 ATOM 949 N GLY 191 113.866 85.577 81.941 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.305 81.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 61.79 ATOM 950 CA GLY 191 113.878 83.509 83.305 1.00 6	.=014	026	\cap	VAL	187	118.910	84.821	92.316		
ATOM 928 CG1 VAL 187 119.220 86.787 90.701 1.00 34.16 ATOM 929 CG2 VAL 187 1187 119.444 87.125 93.149 1.00 37.32 ATOM 930 C VAL 187 118.736 83.971 91.054 1.00 37.32 ATOM 931 O VAL 187 119.364 82.919 90.922 1.00 37.32 ATOM 932 N ALA 188 117.824 84.383 90.176 1.00 37.32 ATOM 933 CA ALA 188 117.824 84.383 90.176 1.00 38.81 ATOM 934 CB ALA 188 116.316 82.867 89.016 1.00 38.85 ATOM 935 C ALA 188 116.316 82.867 89.016 1.00 38.85 ATOM 936 O ALA 188 118.317 82.867 89.016 1.00 38.85 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 40.14 ATOM 939 CA PRO 189 118.041 83.213 86.349 1.00 42.266 ATOM 939 CA PRO 189 118.024 85.317 85.463 1.00 42.91 ATOM 940 CB PRO 189 118.901 84.563 84.454 1.00 42.76 ATOM 941 CG PRO 189 118.901 84.563 84.454 1.00 42.78 ATOM 942 C PRO 189 118.901 84.563 84.454 1.00 42.78 ATOM 944 N ALA 190 116.625 85.519 84.890 1.00 47.16 ATOM 945 CA ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 946 CB ALA 190 115.139 86.925 83.589 1.00 53.76 ATOM 947 C ALA 190 115.139 86.925 83.589 1.00 53.76 ATOM 949 N GLY 191 113.873 84.792 80.727 1.00 55.80 ATOM 949 N GLY 191 113.861 85.577 81.941 1.00 55.47 ATOM 949 N GLY 191 113.861 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.873 84.792 80.103 1.00 61.79 ATOM 950 CA GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.873 84.792 80.103 1.00 62.19 ATOM 950 CA GLY 191 113.873 84.792 80.103 1.00 60.59 ATOM 950 CA GLY 191 113.873 84.792 80.103 1.00 65.24 ATOM 950 CA GLY 191 113.873 81.528 82.660 1.00 61.86 ATOM 950 CA GLY 191 113.512 82.502 80.142 1.00 67.74 ATOM 950 CA GLY 191 113.574 83.09 80.03 1.00 65.24 ATOM 950 CA GLY 191 113.574 83.09 80.03 1.00 65.90 ATOM 950 CA GLY 191 113.578 83.309 81.033 1.00 65.74 ATOM 950 CA GLY 191 113.578 83.598 84.519 1.00 65.80 ATOM 950 CA GLY 191 113.578 83.598 84.519 1.00 65.80 ATOM 950 CA GLY 191 113.578 83.598 84.519 1.00 65.80 ATOM 950 CA GLY 191 113.579 80.927 80.927 1.00 65.90 ATOM 950 CA GLY 191 113.579 80.938 80.938 80.90 1.00 60.59 ATOM 950 CA GLEU 194 100.529 79.778 80.033 1.00 62.43 ATOM 950 CA GLEU 194 100.529 79.7						119.653	86.153			
ATOM 929 CG2 VAL 187 119.344 87.125 93.149 1.00 37.32 ATOM 930 C VAL 187 119.364 82.919 90.922 1.00 37.32 ATOM 931 O VAL 187 119.364 82.919 90.922 1.00 37.37 ATOM 932 N ALA 188 117.579 83.687 88.924 1.00 38.14 ATOM 933 CA ALA 188 117.579 83.687 88.924 1.00 38.14 ATOM 934 CB ALA 188 116.316 82.867 89.016 1.00 38.85 ATOM 935 C ALA 188 116.316 82.867 89.016 1.00 39.78 ATOM 936 O ALA 188 116.878 85.786 88.009 1.00 40.14 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 42.72 ATOM 938 CD PRO 189 118.041 85.313 86.349 1.00 42.72 ATOM 939 CA PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 119.766 83.689 85.305 1.00 41.78 ATOM 940 CB PRO 189 119.666 83.699 85.305 1.00 46.91 ATOM 944 N ALA 190 115.741 84.675 85.063 1.00 49.15 ATOM 945 CA ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 115.139 88.925 83.3589 1.00 52.79 ATOM 947 C ALA 190 115.139 88.925 83.3589 1.00 52.79 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.958 81.528 82.660 1.00 61.79 ATOM 950 CA GLY 191 113.958 81.528 82.660 1.00 61.79 ATOM 950 CA LIE 192 114.554 81.224 84.062 1.00 61.79 ATOM 950 CA GLY 191 113.958 81.528 82.660 1.00 61.78 ATOM 950 CA GLY 191 113.958 81.528 82.660 1.00 61.78 ATOM 950 CA GLY 191 113.958 81.528 82.660 1.00 61.78 ATOM 950 CA LIE 192 114.554 81.224 84.062 1.00 61.79 ATOM 950 CA LIE 192 114.554 81.224 84.062 1.00 62.91 ATOM 950 CA LIE 192 114.554 81.224 84.062 1.00 61.79 ATOM 950 CA LIE 192 114.554 81.528 82.660 1.00 65.74 ATOM 960 CB THR 193 110.800 79.504 83.110 (62.91 61.79						119.220	86.767			
ATOM 929 CG2 VAL 187 118.736 83.971 91.054 1.00 37.20 ATOM 930 C VAL 187 119.364 82.919 90.922 1.00 37.20 ATOM 931 O VAL 187 119.364 82.919 90.922 1.00 37.27 ATOM 932 N ALA 188 117.824 84.383 90.176 1.00 38.14 ATOM 933 CA ALA 188 117.827 83.687 88.924 1.00 38.14 ATOM 934 CB ALA 188 117.826 84.720 87.812 1.00 38.85 ATOM 935 C ALA 188 117.462 84.720 87.812 1.00 39.78 ATOM 936 O ALA 188 116.878 85.786 88.009 1.00 40.14 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 42.72 ATOM 938 CD PRO 189 118.041 84.430 86.637 1.00 42.72 ATOM 939 CA PRO 189 118.041 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 118.024 83.517 85.463 1.00 44.91 ATOM 941 CG PRO 189 118.024 83.699 85.305 1.00 41.78 ATOM 942 C PRO 189 116.625 85.519 84.890 1.00 47.16 ATOM 944 N ALA 190 116.424 84.675 85.063 1.00 47.16 ATOM 944 N ALA 190 116.424 84.675 85.063 1.00 47.16 ATOM 945 CA ALA 190 115.131 86.304 84.216 1.00 55.47 ATOM 946 CB ALA 190 115.131 86.304 82.291 1.00 55.47 ATOM 947 C ALA 190 115.121 86.130 82.291 1.00 55.47 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 55.78 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 55.47 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 55.47 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 55.47 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 55.47 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 57.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 60.59 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 60.59 ATOM 960 CG THR 193 110.494 78.402 82.290 1.00 60.59 ATOM 960 CG THR 193 110.800 79.504 83.110 1.00 68.78 ATOM 960 CG THR 193 110.800 79.504 83.110 1.00 68.78 ATOM 960 CG THR 193 110.586 78.893 84.591 1.00 68.78 ATOM 960 CA LEU 194 100.502 79.277 86.033 1.00 66.52 ATOM 961 CG LEU 194 100.502 79.277 86.033 1.00 66.52 ATOM 963 CA LEU 194 100.502 79.277 86.033 1.00 66.52 ATOM 963 CA LEU 194 100.502 79.277 86.033 1.00 66.53 ATOM 970 CB LEU 194 100.508 78.786 86.005 1.00 67.74 ATOM 975 C LEU 194 100.508 78.786 86.005 1.							87.125			
ATOM 930 C VAL 187 119.364 82.919 90.922 1.00 37.20 ATOM 931 O VAL 188 117.824 84.383 90.176 1.00 37.27 ATOM 932 N ALA 188 117.579 83.687 88.924 1.00 38.45 ATOM 933 CA ALA 188 117.579 83.687 88.924 1.00 38.45 ATOM 935 C ALA 188 116.316 82.867 89.016 1.00 38.45 ATOM 935 C ALA 188 116.836 82.867 89.016 1.00 39.78 ATOM 936 O ALA 188 116.878 85.786 88.009 1.00 40.14 ATOM 937 N PRO 189 118.011 84.430 86.637 1.00 42.72 ATOM 938 CD PRO 189 118.01 84.430 86.637 1.00 42.72 ATOM 939 CA PRO 189 118.021 85.317 85.463 1.00 44.91 ATOM 940 CB PRO 189 119.766 83.699 85.305 1.00 41.78 ATOM 940 CG PRO 189 119.766 83.699 85.305 1.00 41.78 ATOM 940 CG PRO 189 116.625 85.519 84.890 1.00 46.91 ATOM 940 ATOM 941 CG PRO 189 116.625 85.519 84.890 1.00 46.91 ATOM 943 N ALA 190 116.424 86.644 84.216 1.00 49.17 ATOM 945 CA ALA 190 115.741 84.675 85.063 1.00 47.16 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.17 ATOM 946 CB ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 947 C ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 948 N ALA 190 116.488 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.873 86.925 83.589 1.00 52.79 ATOM 949 N GLY 191 113.873 88.4792 80.727 1.00 57.80 ATOM 949 N GLY 191 113.873 88.025 80.727 1.00 57.80 ATOM 950 CA GLY 191 113.873 83.309 81.033 1.00 59.83 ATOM 951 C GLY 191 113.873 83.309 81.033 1.00 59.83 ATOM 952 C GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 955 CB ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 958 CDI ILE 192 114.556 81.548 84.602 1.00 67.84 ATOM 960 C A ILE 192 114.568 81.526 82.260 1.00 61.86 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 53.40 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 53.40 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 63.40 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 63.40 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 63.40 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 63.40 ATOM 960 C A ILE 192 114.568 81.576 86.552 1.00 63.40 ATOM 960 C A ILE 194 109.507 78.80 84.70 1.00 60.58 ATOM 960 C A ILE 194 109.507 78	ATOM							91.054		
ATOM 931 O	ATOM							90.922	1.00	
ATOM 932 N ALA 188 117.579 83.687 89.016 1.00 38.85 ATOM 934 CB ALA 188 117.462 87.720 87.812 1.00 39.78 ATOM 935 C ALA 188 117.462 87.720 87.812 1.00 39.78 ATOM 935 C ALA 188 116.316 82.867 89.016 1.00 39.78 ATOM 936 C ALA 188 116.878 85.786 88.009 1.00 40.14 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 42.72 ATOM 938 CD PRO 189 118.817 83.213 86.349 1.00 42.66 ATOM 939 CA PRO 189 118.901 83.517 85.463 1.00 44.91 ATOM 940 CB PRO 189 118.901 84.563 84.454 1.00 42.51 ATOM 940 CB PRO 189 119.766 83.699 85.305 1.00 41.78 ATOM 941 CG PRO 189 119.766 83.699 85.305 1.00 47.716 ATOM 942 C PRO 189 115.741 84.675 85.063 1.00 49.15 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 945 CA ALA 190 116.424 86.6925 83.559 1.00 52.79 ATOM 946 CB ALA 190 115.139 88.417 83.305 1.00 52.79 ATOM 947 C ALA 190 115.139 88.417 83.305 1.00 55.47 ATOM 949 N GLY 191 113.873 88.4792 80.727 1.00 55.80 ATOM 949 N GLY 191 113.873 84.792 80.727 1.00 55.80 ATOM 950 CA GLY 191 113.873 84.792 80.727 1.00 55.80 ATOM 951 C GLY 191 113.873 84.792 82.502 80.142 1.00 60.59 ATOM 955 CB ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 955 CB ILE 192 114.554 81.224 4.002 1.00 61.79 ATOM 956 CG2 ILE 192 114.554 81.248 4.002 1.00 61.79 ATOM 956 CG2 ILE 192 114.554 81.248 4.002 1.00 61.79 ATOM 955 CB ILE 192 114.554 81.248 4.002 1.00 63.76 ATOM 956 CG2 ILE 192 114.554 81.248 4.002 1.00 63.76 ATOM 960 C ILE 192 114.555 81.593 83.593 1.00 63.40 ATOM 965 CG2 ILE 192 114.556 81.594 84.101 1.00 68.24 ATOM 965 CG2 ILE 192 114.556 81.594 84.101 1.00 69.59 ATOM 965 CG2 ILE 192 114.556 81.594 84.101 1.00 69.59 ATOM 965 CG2 ILE 192 116.035 81.594 84.101 1.00 69.59 ATOM 965 CG2 ILE 192 116.035 81.594 84.101 1.00 69.59 ATOM 966 C THR 193 110.800 79.546 83.303 1.00 69.59 ATOM 966 C THR 193 110.800 79.546 83.303 1.00 69.59 ATOM 966 C THR 193 110.800 79.546 83.303 1.00 69.53 ATOM 967 C ILE 194 109.557 78.80 83.303 1.00 69.53 ATOM 968 CA ILE 194 109.557 78.80 83.303 1.00 69.53 ATOM 967 C ILE 194 109.557 78.80 86.033 1.00 69.53 ATOM 967 C ILE 194 109.507 78.80 86.033		931							1.00	37.27
ATOM 933 CA ALA 188 117.579 83.017 89.016 1.00 38.85 ATOM 934 CB ALA 188 116.316 82.8677 88.009 1.00 40.14 ATOM 935 C ALA 188 117.462 84.720 87.812 1.00 39.78 ATOM 936 O ALA 188 116.878 85.786 88.009 1.00 42.72 ATOM 937 N PRO 189 118.041 84.430 86.637 1.00 42.76 ATOM 938 CD PRO 189 118.041 85.317 85.463 1.00 42.66 ATOM 939 CA PRO 189 118.041 85.317 85.463 1.00 44.91 ATOM 940 CB PRO 189 119.766 83.699 85.305 1.00 41.78 ATOM 941 CG PRO 189 116.625 85.519 84.890 1.00 46.91 ATOM 942 C PRO 189 116.625 85.519 84.890 1.00 47.16 ATOM 944 N ALA 190 116.625 85.519 84.890 1.00 47.16 ATOM 945 CA ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 947 C ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 948 O ALA 190 115.139 86.925 83.589 1.00 53.46 ATOM 949 N GLY 191 113.673 86.130 82.291 1.00 55.47 ATOM 949 N GLY 191 113.673 84.792 80.727 1.00 55.80 ATOM 950 CA GLY 191 113.673 84.792 80.727 1.00 55.80 ATOM 951 C GLY 191 113.673 84.792 80.727 1.00 55.80 ATOM 955 CB ILE 192 114.052 82.932 82.280 1.00 61.79 ATOM 956 CG2 ILE 192 114.052 82.932 82.280 1.00 61.86 ATOM 957 CG1 ILE 192 114.135 81.476 86.552 1.00 62.19 ATOM 960 O ILE 192 114.135 81.476 86.552 1.00 62.19 ATOM 961 N THR 193 110.800 79.504 83.110 0.0 75.84 ATOM 964 CG THR 193 110.800 79.504 83.110 0.0 65.27 ATOM 969 CA ILE 192 114.155 81.476 86.552 1.00 65.94 ATOM 966 C C THR 193 110.800 79.504 83.110 1.00 65.27 ATOM 967 C THR 193 110.800 79.504 83.110 1.00 65.27 ATOM 968 N ILE 192 114.135 81.476 86.552 1.00 65.94 ATOM 969 CA ILE 192 114.158 81.476 86.552 1.00 65.95 ATOM 969 CA ILE 192 114.158 81.476 86.552 1.00 65.95 ATOM 969 CA ILE 192 114.568 87.78 87.68 85.333 1.00 66.52 ATOM 969 CA ILE 194 100.529 79.277 86.033 1.00 65.24 ATOM 969 CA ILE 194 100.529 79.277 86.033 1.00 66.53 ATOM 969 CA ILE 194 100.529 79.277 86.033 1.00 66.52 ATOM 967 O THR 193 110.506 78.898 85.798 1.00 66.53 ATOM 967 O THR 193 110.506 78.898 85.798 1.00 66.58 ATOM 970 CB ILE 194 100.529 79.277 86.033 1.00 66.53 ATOM 970 CB ILE 194 100.529 79.277 86.033 1.00 66.53 ATOM 970 CB ILE 194 100.529 79.277 86.033		932	N						1.00	38.14
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ATOM 940 CB PRO 189 118.901 84.563 84.594 47.00 42.78 ATOM 941 CG PRO 189 119.766 83.699 85.305 1.00 41.78 ATOM 942 C PRO 189 116.625 85.519 84.890 1.00 46.91 ATOM 943 O PRO 189 116.741 84.675 85.063 1.00 47.16 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 945 CA ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 947 C ALA 190 115.121 86.130 82.291 1.00 54.43 ATOM 948 O ALA 190 115.121 86.130 82.291 1.00 55.47 ATOM 948 N GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 952 O GLY 191 113.784 83.309 81.033 1.00 60.59 ATOM 953 N ILE 192 114.052 82.502 80.142 1.00 61.79 ATOM 954 CA ILE 192 114.052 82.280 1.00 60.59 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.86 ATOM 957 CG1 ILE 192 114.135 81.528 82.660 1.00 61.86 ATOM 959 C ILE 192 114.135 81.476 86.552 1.00 57.49 ATOM 960 O ILE 192 114.135 81.476 86.552 1.00 63.75 ATOM 961 N THR 193 112.180 79.934 83.035 1.00 68.75 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 964 CG THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 965 CG2 THR 193 110.800 79.934 83.035 1.00 68.75 ATOM 966 C THR 193 110.800 79.934 83.035 1.00 68.75 ATOM 966 C THR 193 110.800 79.934 83.035 1.00 68.75 ATOM 966 C THR 193 110.800 79.934 83.035 1.00 68.75 ATOM 966 C THR 193 110.800 79.934 83.035 1.00 68.75 ATOM 966 C THR 193 110.800 79.934 83.035 1.00 68.78 ATOM 967 O THR 193 110.800 79.934 83.035 1.00 68.78 ATOM 968 N LEU 194 109.274 78.600 84.701 1.00 68.24 ATOM 969 CA LEU 194 109.274 78.600 84.700 70.58 ATOM 970 CB LEU 194 106.697 79.277 86.008 84.700 70.58 ATOM 971 CG LEU 194 106.697 79.277 86.008 87.328 1.00 60.58 ATOM 974 C LEU 194 109.900 76.687 87.661 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 85.502 1.00 77.470 ATOM 975 O LEU 194 109.900 76.687 85.502 1.00 77.470 ATOM 975 O LEU 194 109.900 76.687 85.502 1.00 77.470						118.024				
ATOM 941 CG PRO 189 119.766 83.699 85.305 1.00 47.16 ATOM 942 C PRO 189 116.625 85.519 84.890 1.00 46.91 ATOM 943 O PRO 189 116.625 85.519 84.890 1.00 47.16 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 945 CA ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 947 C ALA 190 115.121 86.130 82.291 1.00 55.47 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.873 84.792 80.727 1.00 55.80 ATOM 949 N GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 951 C GLY 191 113.572 82.502 80.142 1.00 61.79 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.564 81.528 82.660 1.00 61.86 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.86 ATOM 956 CG2 ILE 192 114.564 81.224 84.062 1.00 61.08 ATOM 957 CG1 ILE 192 114.135 81.594 84.101 1.00 62.19 ATOM 958 CD1 ILE 192 114.135 81.594 84.101 1.00 62.19 ATOM 959 C ILE 192 114.135 81.594 84.101 1.00 62.19 ATOM 960 O ILE 192 114.135 81.594 84.101 1.00 62.19 ATOM 961 N THR 193 110.800 79.504 83.110 1.00 63.75 ATOM 962 CA THR 193 110.800 79.504 83.110 1.00 63.75 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.74 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.577 78.688 84.790 1.00 69.53 ATOM 969 CA LEU 194 109.577 78.688 84.790 1.00 69.53 ATOM 967 CB LEU 194 109.577 78.688 84.790 1.00 62.21 ATOM 971 CG LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 972 CD1 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 973 CD2 LEU 194 109.507 76.687 85.502 1.00 72.55 ATOM 974 C LEU 194 109.507 76.687 85.502 1.00 72.55						118.901	84.563			
ATOM 941 CC PRO 189 116.625 85.519 84.890 1.00 47.16 ATOM 943 O PRO 189 115.741 84.675 85.063 1.00 47.16 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 945 CA ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 115.121 86.130 82.291 1.00 54.43 ATOM 947 C ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 950 CA GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 69.83 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 60.59 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 955 CB ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 956 CG2 ILE 192 114.054 81.224 84.062 1.00 61.86 ATOM 957 CG1 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 958 CD1 ILE 192 111.3773 81.933 85.164 1.00 59.47 ATOM 959 C ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 110.800 79.504 83.110 1.00 62.25 ATOM 962 CA THR 193 110.800 79.504 83.110 1.00 62.25 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 62.25 ATOM 966 CG THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 969 CA LEU 194 109.304 78.402 82.062 1.00 72.25 ATOM 968 N LEU 194 109.304 78.402 82.062 1.00 72.25 ATOM 969 CA LEU 194 109.304 78.808 84.790 1.00 69.53 ATOM 969 CA LEU 194 109.304 79.927 86.033 1.00 69.53 ATOM 969 CA LEU 194 109.304 79.927 86.033 1.00 69.53 ATOM 969 CA LEU 194 109.884 78.179 88.479 1.00 69.53 ATOM 969 CA LEU 194 109.897 79.277 86.033 1.00 62.43 ATOM 970 CB LEU 194 109.697 79.277 86.033 1.00 62.43 ATOM 971 CG LEU 194 109.697 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 106.697 79.277 86.033 1.00 62.43 ATOM 973 CD2 LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 N LEU 194 109.900 76.687 87.651 1.00 72.55							83.699			
ATOM 942 C PRO 189 115.741 84.675 85.063 1.00 47.16 ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 945 CA ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 945 CA ALA 190 115.139 88.417 83.305 1.00 53.46 ATOM 946 CB ALA 190 115.121 86.130 82.291 1.00 54.43 ATOM 947 C ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.80 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 951 C GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 954 CA ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 955 CB ILE 192 114.054 81.224 84.062 1.00 61.86 ATOM 956 CG2 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 957 CG1 ILE 192 114.135 81.476 86.552 1.00 59.47 ATOM 958 CD1 ILE 192 114.135 81.476 86.552 1.00 63.75 ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 110.494 78.402 82.062 1.00 63.75 ATOM 962 CA THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 963 CB THR 193 110.494 78.402 82.062 1.00 72.73 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.74 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.74 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 65.22 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 967 CG ILE 192 114.686 78.993 84.519 1.00 68.76 ATOM 969 CA LEU 194 109.848 78.179 86.033 1.00 69.53 ATOM 967 CB LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 970 CB LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 971 CG LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 975 N LEU 194 109.900 76.687 87.651 1.00 72.55							85.519	84.890		
ATOM 944 N ALA 190 116.424 86.644 84.216 1.00 49.15 ATOM 945 CA ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 115.121 86.130 82.291 1.00 54.43 ATOM 947 C ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 950 CA GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 60.59 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.08 ATOM 956 CG2 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 957 CG1 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 958 CD1 ILE 192 114.135 81.476 86.552 1.00 57.49 ATOM 959 C ILE 192 114.135 81.476 86.552 1.00 63.40 ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 110.800 79.504 83.101 0.00 68.24 ATOM 962 CA THR 193 110.800 79.504 83.101 0.00 68.24 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 964 OG1 THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 966 C THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 967 O THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 968 N LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 967 C THR 193 110.494 78.808 84.790 1.00 69.53 ATOM 967 C THR 193 110.494 78.808 84.790 1.00 69.53 ATOM 967 C THR 193 110.494 78.808 84.790 1.00 69.53 ATOM 968 N LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 967 C THR 193 110.536 78.993 84.519 1.00 68.74 ATOM 968 N LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 105.081 78.958 86.480 1.00 72.25 ATOM 971 CG LEU 194 106.697 79.977 86.038 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.907 76.006 85.502 1.00 72.45 ATOM 975 O LEU 194 109.907 76.006 85.502 1.00 74.70							84.675	85.063		
ATOM 944 N ALA 190 115.139 86.925 83.589 1.00 52.79 ATOM 946 CB ALA 190 114.993 88.417 83.305 1.00 53.46 ATOM 947 C ALA 190 114.993 88.417 83.305 1.00 53.46 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 57.80 ATOM 950 CA GLY 191 113.873 84.792 80.727 1.00 57.80 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 954 CA ILE 192 114.564 81.224 84.062 1.00 61.86 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.88 ATOM 955 CG2 ILE 192 114.135 81.528 82.660 1.00 61.86 ATOM 957 CG1 ILE 192 114.135 81.476 86.552 1.00 62.19 ATOM 958 CD1 ILE 192 114.135 81.476 86.552 1.00 63.70 ATOM 960 O ILE 192 112.481 81.175 82.692 1.00 63.75 ATOM 961 N THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 964 OG1 THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 965 CG2 THR 193 110.536 78.993 84.519 1.00 63.75 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 968 N LEU 194 109.327 77.124 82.374 1.00 72.73 ATOM 969 CA LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 967 C THR 193 111.273 77.124 86.033 1.00 65.52 ATOM 967 O THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 969 CA LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 970 CB LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 973 CD2 LEU 194 106.529 80.049 87.328 1.00 62.43 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 72.65	ATOM					116 424		84.216		
ATOM 946 CB ALA 190 114.993 88.417 83.305 1.00 53.46 ATOM 946 CB ALA 190 115.121 86.130 82.291 1.00 54.43 ATOM 947 C ALA 190 115.121 86.130 82.291 1.00 55.47 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 55.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 955 CB ILE 192 114.052 82.932 82.280 1.00 61.86 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.08 ATOM 956 CG2 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 957 CG1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 959 C ILE 192 114.135 81.476 86.552 1.00 57.49 ATOM 960 O ILE 192 114.135 81.476 86.552 1.00 63.40 ATOM 961 N THR 193 110.800 79.504 83.110 0.63.75 ATOM 962 CA THR 193 110.800 79.504 83.110 0.0 68.24 ATOM 963 CB THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 968 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 969 CA LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 969 CA LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 970 CB LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 973 CD2 LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 974 C LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 973 CD2 LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 974 C LEU 194 109.507 76.006 85.502 1.00 72.55 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 72.55	ATOM							83.589	1.00	
ATOM 946 CB ALA 190 115.121 86.130 82.291 1.00 54.43 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.47 ATOM 948 N GLY 191 113.873 84.792 80.727 1.00 55.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 954 CA ILE 192 114.958 81.528 82.660 1.00 61.86 ATOM 955 CB ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 956 CG2 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 958 CD1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 959 C ILE 192 114.135 81.476 86.552 1.00 63.40 ATOM 959 C ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 965 CG2 THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 966 C THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 967 CG THR 193 110.536 78.993 84.519 1.00 63.73 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 68.57 ATOM 969 CA LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 960 CB LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 970 CB LEU 194 106.697 79.277 86.881 1.00 62.21 ATOM 971 CG LEU 194 106.697 79.578 86.881 1.00 62.21 ATOM 972 CD1 LEU 194 106.697 79.578 86.881 1.00 62.21 ATOM 973 CD2 LEU 194 109.907 76.885 85.502 1.00 72.55 ATOM 974 C LEU 194 109.907 76.886 84.800 1.00 72.55 ATOM 975 N LEU 194 109.907 76.006 85.502 1.00 72.45 ATOM 974 C LEU 194 109.907 76.006 85.502 1.00 72.45	ATOM								1.00	53.46
ATOM 947 C ALA 190 116.121 86.012 81.619 1.00 55.47 ATOM 948 O ALA 190 116.148 86.012 81.619 1.00 55.80 ATOM 949 N GLY 191 113.966 85.577 81.941 1.00 57.80 ATOM 950 CA GLY 191 113.784 83.309 81.033 1.00 59.83 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 61.79 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 954 CA ILE 192 114.958 81.528 82.660 1.00 61.86 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.08 ATOM 956 CG1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 957 CG1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 958 CD1 ILE 192 114.135 81.476 86.552 1.00 57.49 ATOM 959 C ILE 192 114.135 81.476 86.552 1.00 63.40 ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 963 CB THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 964 OG1 THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 965 CG2 THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.57 ATOM 967 O THR 193 110.536 78.993 84.519 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 109.927 78.680 84.790 1.00 69.53 ATOM 970 CB LEU 194 109.927 78.680 84.790 1.00 69.53 ATOM 971 CG LEU 194 106.697 79.277 86.08 1.00 62.43 ATOM 972 CD1 LEU 194 106.697 79.277 86.80 1.00 62.43 ATOM 973 CD2 LEU 194 109.957 76.885 85.566 1.00 62.43 ATOM 974 C LEU 194 109.907 76.006 85.502 1.00 72.45 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 72.45		946							1.00	54.43
ATOM 948 O		947	С							55.47
ATOM 949 N GLY 191 113.966 83.377 80.727 1.00 57.80 ATOM 950 CA GLY 191 113.873 84.792 80.727 1.00 59.83 ATOM 951 C GLY 191 113.784 83.309 81.033 1.00 69.83 ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 61.79 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 954 CA ILE 192 114.958 81.528 82.660 1.00 61.86 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.08 ATOM 955 CG2 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 957 CG1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 958 CD1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 959 C ILE 192 112.481 81.175 82.692 1.00 63.40 ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 112.180 79.934 83.035 1.00 65.22 ATOM 962 CA THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 962 CA THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 964 OG1 THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 965 CG2 THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.9274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 109.9274 78.680 84.790 1.00 69.53 ATOM 967 CB LEU 194 109.9274 78.680 84.790 1.00 69.53 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 973 CD2 LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 974 C LEU 194 109.557 76.865 87.651 1.00 72.55 ATOM 975 O LEU 194 109.557 76.865 87.651 1.00 72.55 ATOM 975 N LEU 194 109.557 76.865 87.651 1.00 72.55 ATOM 976 N LEU 194 109.557 76.865 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 973 CD2 LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 974 C LEU 194 109.557 76.865 87.651 1.00 72.55 ATOM 975 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.00 72.55 ATOM 976 N LEU 194 109.900 76.687 87.651 1.			0							
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ATOM 952 O GLY 191 113.512 82.502 80.142 1.00 60.59 ATOM 953 N ILE 192 114.052 82.932 82.280 1.00 60.59 ATOM 954 CA ILE 192 114.564 81.528 82.660 1.00 61.86 ATOM 955 CB ILE 192 114.564 81.224 84.062 1.00 61.08 ATOM 955 CG2 ILE 192 116.035 81.594 84.101 1.00 62.19 ATOM 957 CG1 ILE 192 113.773 81.933 85.164 1.00 59.47 ATOM 958 CD1 ILE 192 114.135 81.476 86.552 1.00 57.49 ATOM 959 C ILE 192 114.135 81.476 86.552 1.00 63.40 ATOM 959 C ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 112.180 79.934 83.035 1.00 65.22 ATOM 962 CA THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 963 CB THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 964 OG1 THR 193 110.494 78.402 82.062 1.00 72.73 ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 966 C THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 970 CB LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 971 CG LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 85.786 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45				GLY	191	113.784				
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ATOM 960 O ILE 192 111.626 82.016 82.416 1.00 63.75 ATOM 961 N THR 193 112.180 79.934 83.035 1.00 65.22 ATOM 962 CA THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 963 CB THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 964 OG1 THR 193 109.082 78.122 82.046 1.00 75.84 ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45								82.692		
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ATOM 961 N THR 193 110.800 79.504 83.110 1.00 68.24 ATOM 962 CA THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 963 CB THR 193 110.494 78.402 82.062 1.00 75.84 ATOM 964 OG1 THR 193 109.082 78.122 82.046 1.00 75.84 ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45	MOTA			ILE				83.035	1.00	
ATOM 963 CB THR 193 110.494 78.402 82.062 1.00 72.25 ATOM 964 OG1 THR 193 109.082 78.122 82.046 1.00 75.84 ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 74.70	MOTA								1.00	68.24
ATOM 963 CB THR 193 109.082 78.122 82.046 1.00 75.84 ATOM 964 OG1 THR 193 109.082 78.122 82.046 1.00 72.73 ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45	ATOM								1.00	72.25
ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 72.73 ATOM 965 CG2 THR 193 111.273 77.124 82.374 1.00 68.78 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.57 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70	ATOM	963								
ATOM 965 CG2 THR 193 111.273 77.124 ATOM 966 C THR 193 110.536 78.993 84.519 1.00 68.78 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 68.57 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 69.53 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 74.70		964								72.73
ATOM 966 C THR 193 110.536 78.876 85.333 1.00 68.57 ATOM 967 O THR 193 111.458 78.876 85.333 1.00 69.53 ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 70.58 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 70.58 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70		965	CG2							68.78
ATOM 967 O THR 193 111.458 78.676 83.535 ATOM 975 O LEU 194 109.577 76.006 85.502 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 87.650 84.790 1.00 69.53 84.790 1.00 69.53 84.790 976 N LYS 195 109.770 76.006 85.502 1.00 67.74 85.076 85			С							
ATOM 968 N LEU 194 109.274 78.680 84.790 1.00 70.58 ATOM 969 CA LEU 194 108.848 78.179 86.089 1.00 67.74 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70			0	THR						
ATOM 969 CA LEU 194 108.848 78.179 80.009 1.00 67.74 ATOM 970 CB LEU 194 107.334 77.982 86.095 1.00 67.74 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.43 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70				LEU						
ATOM 970 CB LEU 194 107.334 77.982 86.093 1.00 62.43 ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70				LEU	194	108.848				
ATOM 971 CG LEU 194 106.529 79.277 86.033 1.00 62.21 ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70					194	107.334				
ATOM 972 CD1 LEU 194 105.081 78.958 85.786 1.00 62.21 ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.58 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 N LYS 195 109.770 76.006 85.502 1.00 74.70 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 76.600					194	106.529				
ATOM 973 CD2 LEU 194 106.697 80.049 87.328 1.00 60.36 ATOM 974 C LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 74.70						105.081	78.958			
ATOM 975 CD2 LEU 194 109.557 76.885 86.480 1.00 72.55 ATOM 975 O LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 976 N LYS 195 109.770 76.006 85.502 1.00 74.70										
ATOM 974 C LEU 194 109.900 76.687 87.651 1.00 72.45 ATOM 975 O LEU 194 109.900 76.687 85.502 1.00 74.70										
ATOM 975 0 LLS 195 109.770 76.006 85.502 1.00 74.70								87.651		
								85.502		
ATOM 370 10 405 140 456 74 740 85,749 1.00 70.00	ATOM	976						85.749	1.00	76.60
ATOM 977 CA LYS 195 110.456 73.916 84.459 1.00 77.31	ATOM									
ATOM 978 CB LYS 195 110.387 72.586 84.628 1.00 79.15	ATOM									79.15
ATOM 979 CG LYS 195 111.207 72.605 85.640 1.00 81.61		979								81.61
ATOM 980 CD LYS 195 110.574 71.035 86.004 1.00 82.03		980								
ATOM 981 CE LYS 195 111.402 70.471 80.004 1.00 83.87										
ATOM 982 NZ LYS 195 111.733 69.039 04.11			NZ							
ATOM 983 C LYS 195 111.853 75.041 86.287 1.00 77.85				LYS	195	111.85	3 /5.041	60.207	1.00	

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		_		405	112.252	74.519	87.330	1.00	77.77
ATOM	984	0	LYS	195	112.572	75.911	85.579	1.00	78.89
ATOM	985	N	GLU	196	113.920	76.312	85.968	1.00	79.64
MOTA	986	CA	GLU	196	114.464	77.349	84.983	1.00	83.46
ATOM	987	CB	GLU	196	114.576	76.850	83.547	1.00	90.70
ATOM	988	CG	GLU	196		77.931	82.578	1.00	97.03
ATOM	989	CD	GLU	196	115.039	78.324	81.699	1.00	99.18
ATOM	990	OE1	GLU	196	114.240	78.383	82.686	1.00	100.67
ATOM	991	OE2	GLU	196	116.202	76.918	87.362	1.00	78.68
ATOM	992	С	GLU	196	113.859	76.512	88.262	1.00	78.96
ATOM	993	0	GLU	196	114.594	77.850	87.533	1.00	77.97
ATOM	994	N	ALA	197	112.928	77.836 78.556	88.789	1.00	77.86
ATOM	995	CA	ALA	197	112.707	79.418	88.666	1.00	76.91
ATOM	996	CB	ALA	197	111.471	77.637	89.999	1.00	78.58
ATON:	997	С	ALA	197	112.574	77.920	91.067	1.00	77.61
ATOM	998	0	ALA	197	113.120	76.548	89.826	1.00	80.25
ATOM	999	N	ASN	198	111.834	75.581	90.897	1.00	82.34
ATOM	1000	CA	ASN	198	111.604	75.561 74.473	90.401	1.00	86.10
ATOM	1001	CB	ASN	198	110.664	74.473 73.502	91.502	1.00	89.51
ATOM	1002	CG	ASN	198	110.268		91.811	1.00	91.70
ATOM	1003	OD1	ASN	198	110.999	72.559	92.085	1.00	90.35
ATOM	1004	ND2	ASN	198	109.095	73.718 74.968	91.429	1.00	81.89
ATOM	1005	С	ASN	198	112.898		92.620	1.00	81.46
ATOM	1006	0	ASN	198	113.207	75.067	90.533	1.00	81.93
ATOM	1007	N	GLU	199	113.666	74.360	90.907	1.00	82.51
ATOM	1008	CA	GLU	199	114.914	73.719	89.701	1.00	84.93
ATOM	1009	CB	GLU	199	115.504	72.990	90.020	1.00	91.19
ATOM	1010	CG	GLU	199	116.740	72.168	88.829	1.00	95.27
ATOM	1011	CD	GLU	199	117.236	71.365	87.766	1.00	96.08
ATOM	1012	OE1	GLU	199	117.505	71.970	88.962	1.00	97.16
ATOM	1013	OE2	GLU	199	117.356	70.126	91.472	1.00	82.16
ATOM	1014	C	GLU	199	115.924	74.712	92.562	1.00	82.41
ATOM	1015	0	GLU	199	116.461	74.496	90.751	1.00	81.63
ATOM	1016	N	ILE	200	116.127	75.816	91.121	1.00	80.38
ATOM	1017	CA	ILE	200	117.077	76.871	90.306	1.00	76.64
ATOM	1018	CB	ILE	200	116.824	78.167	90.897	1.00	75.73
ATOM	1019	CG2	ILE	200	117.588	79.349	88.846	1.00	74.46
ATOM	1020	CG1	ILE	200	117.232	77.948	87.945	1.00	74.00
ATOM	1021	CD1	ILE	200	116.991	79.141	92.612	1.00	81.94
ATOM	1022	С	ILE	200	117.163	77.194	93.100	1.00	83.53
ATOM	1023	0	ILE	200	118.217	77.596	93.337	1.00	82.67
ATOM	1024	N	LEU	201	116.069	77.018	94.766	1.00	84.58
ATOM	1025	CA	LEU	201	116.081	77.281	95.062	1.00	86.28
ATOM	1026	CB	LEU	201	115.479	78.658	96.510	1.00	87.58
ATOM	1027	CG	LEU	201	115.486		97.046	1.00	85.65
ATOM	1028	CD1	LEU	201	116.907		96.583	1.00	89.05
ATOM	1029	CD2	LEU	201	114.851		95.443	1.00	85.36
ATOM	1030	С	LEU	201	115.289		96.056	1.00	84.76
ATOM	1031	0	LEU	201	114.254		95.332	1.00	87.32
ATOM	1032	N	GLN	202	115.785		95.927	1.00	89.77
ATOM	1033	CA	GLN	202	115.097		95.445	1.00	92.70
ATOM	1034	CB	GLN	202			95.764	1.00	97.61
ATOM	1035		GLN	202			95.764	1.00	101.05
ATOM	1036	CD	GLN	202			96.139	1.00	
ATOM	1037	OE1		202			94.229	1.00	
ATOM	1038			202			94.229	1.00	
ATOM	1039		GLN	202			98.142	1.00	
ATOM	1040	0	GLN	202			97.955	1.00	
ATOM	1041	N	ARG	203	114.14	4 74.709	gr.333	,.50	
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			ADC	203	113.925	74.905	99.382	1.00	88.84
ATOM	1042	CA	ARG	203	115.140	75.579	100.049	1.00	88.34
MOTA	1043	СВ	ARG	203	115.732	76.757	99.287	1.00	88.19
ATOM	1044	CG	ARG		117.240	76.607	99.126	1.00	88.80
ATOM	1045	CD	ARG	203	117.240	75.378	98.417	1.00	88.58
ATOM	1046	NE	ARG	203		75.317 75.317	97.377	1.00	86.71
ATOM	1047	CZ	ARG	203	118.428	76.418	96.908	1.00	86.45
ATOM	1048	NH1	ARG	203	118.998	74.146	96.809	1.00	85.61
ATOM	1049	NH2	ARG	203	118.687		99.585	1.00	87.84
ATOM	1050	С	ARG	203	112.632	75.706	99.121	1.00	87.56
MOTA	1051	0	ARG	203	111.566	75.287	100.226	1.00	86.13
ATOM	1052	N	ALA	204	112.719	76.867	100.471	1.00	83.50
ATOM	1053	CA	ALA	204	111.531	77.671	100.471	1.00	84.51
ATOM	1054	CB	ALA	204	110.942	77.340	101.343	1.00	80.44
ATOM	1055	С	ALA	204	111.815	79.165	100.356	1.00	80.60
ATOM	1056	0	ALA	204	112.970	79.588	100.230	1.00	76.39
ATOM	1057	N	GLY	205	110.744	79.952		1.00	69.88
ATOM	1058	CA	GLY	205	110.859	81.392	100.283	1.00	64.80
ATOM	1059	С	GLY	205	110.338	81.872	98.946	1.00	64.06
ATOM	1060	0	GLY	205	109.236	81.511	98.515	1.00	59.49
ATOM	1061	N	ALA	206	111.150	82.678	98.281	1.00	54.11
ATOM	1062	CA	ALA	206	110.807	83.227	96.985	1.00	54.44
ATOM	1063	CB	ALA	206	110.208	84.615	97.146	1.00	49.90
ATOM	1064	С	ALA	206	112.108	83.310	96.226	1.00	51.13
ATOM	1065	0	ALA	206	113.180	83.244	96.820	1.00	45.11
ATOM	1066	N	LEU	209	112.026	83.413	94.912	1.00	40.05
ATOM	1067	CA	LEU	209	113.225	83.517	94.111	1.00	36.41
ATOM	1068	CB	LEU	209	113.239	82.427	93.048	1.00	34.85
ATOM	1069	CG	LEU	209	114.558	81.773	92.645	1.00	34.74
ATOM	1070	CD1	LEU	209	114.341	81.091	91.308	1.00	29.56
ATOM	1071	CD2	LEU	209	115.691	82.771	92.546 93.433	1.00	39.06
ATOM	1072	С	LEU	209	113.205	84.875	93.433 92.634	1.00	39.13
ATOM	1073	0	LEU	209	112.312	85.153	93.850	1.00	37.89
ATOM	1074	Ν	PRO	210	114.098	85.793	95.051	1.00	36.71
ATOM	1075	CD	PRO	210	114.952	85.780	93.212	1.00	36.68
ATOM	1076	CA	PRO	210	114.124	87.111 87.015	94.110	1.00	34.61
ATOM	1077	СВ	PRO	210	115.070	87.915	94.746	1.00	35.52
ATOM	1078	CG	PRO	210	115.931	86.871	91.786	1.00	36.86
ATOM	1079	С	PRO	210	114.656	86.987 86.374	91.560	1.00	38.72
ATOM	1080	0	PRO	210	115.702	87.477	90.818	1.00	35.16
ATOM	1081	N	ILE	211	113.889	87.415	89.432	1.00	33.61
ATOM	1082	CA	ILE	211	114.316	87.224	88.473	1.00	31.67
MOTA	1083	CB	ILE	211	113.131	87.22 4 87.115	87.029	1.00	29.72
MOTA	1084	CG2	ILE	211	113.624	85.953	88.852	1.00	26.60
ATOM	1085	CG1	ILE	211	112.373	84.706	88.833	1.00	21.58
ATOM	1086	CD1	ILE	211	113.229	88.709	89.147	1.00	34.69
ATOM	1087	Ç	ILE	211	115.036	89.785	89.505	1.00	34.63
MOTA	1088	0	ILE	211	114.561	88.597	88.506	1.00	37.32
MOTA	1089	N	VAL	212	116.189	89.750	88.209	1.00	41.26
MOTA	1090	CA	VAL	212	117.016	89.593	88.910	1.00	39.76
ATOM	1091	СВ	VAL	212	118.393	90.131	88.061	1.00	41.05
MOTA	1092	CG1	VAL	212	119.521	90.131	90.264	1.00	36.94
ATOM	1093	CG2	VAL	212	118.357	90.266	86.721	1.00	45.53
MOTA	1094	C	VAL	212	117.166		85.898	1.00	46.04
ATOM	1095	0	VAL	212	117.324	89.149 91.338	86.395	1.00	50.13
MOTA	1096	N	ASN	213	117.078		85.029	1.00	54.74
MOTA	1097	CA	ASN	213	117.204		84.781	1.00	58.04
ATOM	1098	СВ	ASN	213	116.187		83.392	1.00	63.16
ATOM	1099	CG	ASN	213	116.312	53.313	00.00E	,	

		004	ASN	213	117.392	94.001	82.976	1.00	63.63
ATOM	1100	OD1 ND2	ASN	213	115.195	93.644	82.676	1.00	66.53
ATOM	1101	C C	ASN	213	118.611	92.385	84.886	1.00	56.69
ATOM	1102	0	ASN	213	119.049	93.171	85.728	1.00	56.84
ATOM	1103	N	GLU	214	119.293	91.970	83.820	1.00	58.00
ATOM	1104	CA	GLU	214	120.662	92.379	83.487	1.00	59.26
ATOM	1105	CB	GLU	214	120.708	93.007	82.095	1.00	63.79
ATOM	1106 1107	CG	GLU	214	122.122	93.176	81.565	1.00	70.73
ATOM	1107	CD	GLU	214	122.888	91.861	81.539	1.00	76.36
ATOM	1109	OE1	GLU	214	123.897	91.739	82.273	1.00	77.43
ATOM ATOM	1110	OE2	GLU	214	122.470	90.947	80.791	1.00	78.72
ATOM	1111	C	GLU	214	121.381	93.296	84.471	1.00	58.22 59.28
ATOM	1112	Ö	GLU	214	122.362	92.900	85.088	1.00	57.43
ATOM	1113	N	ASN	215	120.873	94.507	84.647	1.00 1.00	58.14
ATOM	1114	CA	ASN	215	121.482	95.458	85.567	1.00	65.27
ATOM	1115	CB	ASN	215	120.804	96.828	85.450 84.072	1.00	74.29
ATOM	1116	CG	ASN	215	120.970	97.459	84.073 83.065	1.00	78.55
ATOM	1117	OD1	ASN	215	121.139	96.766	84.024	1.00	77.85
ATOM	1118	ND2	ASN	215	120.909	98.786	87.014	1.00	55.81
ATOM	1119	С	ASN	215	121.395	94.976	87.945	1.00	56.29
ATOM	1120	0	ASN	215	121.650	95.747 93.711	87.202	1.00	52.49
ATOM	1121	N	ASP	216	121.026	93.115	88.516	1.00	50.19
ATOM	1122	CA	ASP	216	120.889	93.113	89.271	1.00	51.39
ATOM	1123	СВ	ASP	216	122.212	93.201	90.285	1.00	54.10
MOTA	1124	CG	ASP	216	122.369 121.951	92.299	91.445	1.00	57.69
ATOM	1125	OD1	ASP	216	121.931	91.039	89.916	1.00	53.63
ATOM	1126	OD2	ASP	216 216	119.769	93.852	89.247	1.00	49.43
ATOM	1127	C	ASP	216	119.705	94.077	90.460	1.00	48.51
ATOM	1128	0	ASP GLU	217	118.757	94.234	88.478	1.00	50.3 9
ATOM	1129	N	GLU	217	117.600	94.959	88.994	1.00	51.67
ATOM	1130	CA CB	GLU	217	117.268	96.126	88.054	1.00	56.48
ATOM	1131 1132	CG	GLU	217	117.200	95.734	86.571	1.00	62.18
ATOM	1132	CD	GLU	217	117.162	96.933	85.631	1.00	67.67
ATOM	1133	OE1	GLU	217	116.508	97.948	85.966	1.00	71.20
MOTA	1135	OE2	GLU	217	117.785	96.858	84.550	1.00	67.88
ATOM ATOM	1136	C	GLU	217	116.400	94.027	89.139	1.00	49.37
ATOM	1137	ŏ	GLU	217	116.063	93.296	88.203	1.00	50.54
ATOM	1138	Ň	LEU	218	115.767	94.053	90.310	1.00	46.00
ATOM	1139	CA	LEU	218	114.611	93.209	90.595	1.00	42.82
ATOM	1140	СВ	LEU	218	114.056	93.530	91.980	1.00	40.76 43.30
ATOM	1141	CG	LEU	218	113.035	92.537	92.525	1.00	45.66
ATOM	1142	CD1	LEU	218	113.587	91.125	92.443	1.00 1.00	44.41
ATOM	1143	CD2	LEU	218	112.684	92.888	93.961	1.00	41.76
ATOM	1144	С	LEU	218	113.530	93.392	89.539 89.512	1.00	42.68
ATOM	1145	0	LEU	218	112.841	94.411	89.512 88.665	1.00	40.13
ATOM	1146	N	VAL	219	113.395	92.399	87.582	1.00	35.68
MOTA	1147	CA	VAL	219	112.414	92.447	86.234	1.00	32.66
ATOM	1148	СВ	VAL	219	113.056		86.224	1.00	31.43
ATOM	1149	CG1	VAL	219	113.267		85.057	1.00	34.92
ATOM	1150	CG2	VAL	219	112.223		87.927	1.00	33.78
MOTA	1151	C	VAL	219	111.150		87.337	1.00	34.95
MOTA	1152	0	VAL	219	110.092 111.258		88.892	1.00	31.81
ATOM	1153	N	ALA	220	111.250		89.317	1.00	30.78
MOTA	1154	CA	ALA	220	100.123		88.167	1.00	31.87
ATOM	1155	СВ	ALA	220 220			90.486	1.00	29.91
ATOM	1156	C	ALA	220			90.939	1.00	29.19
MOTA	1157	0	ALA	220	111.070				

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	4450	N	ILE	221	109.588	88.290	90.996	1.00	30.38
ATOM	1158 1159	CA	ILE	221	109.810	87.361	92.098	1.00	30.65
MOTA	1160	CB	ILE	221	109.456	87.998	93.475	1.00	33.29
ATOM	1161	CG2	ILE	221	109.558	86.974	94.587	1.00	35.92
MOTA	1162	CG1	ILE	221	110.430	89.126	93.814	1.00	36.90
ATOM	1163	CD1	ILE	221	110.282	89.662	95.232	1.00	39.70
ATOM ATOM	1164	C.	ILE	221	108.891	86.166	91.830	1.00	30.07
ATOM	1165	Ö	ILE	221	108.010	86.242	90.976	1.00	29.66
ATOM	1166	Ň	ILE	222	109.158	85.043	92.486	1.00	30.43 32.62
ATOM	1167	CA	ILE	222	108.339	83.843	92.352	1.00	35.84
ATOM	1168	CB	ILE	222	108.885	82.873	91.281	1.00 1.00	38.08
ATOM	1169	CG2	ILE	222	108.282	83.173	89.929 91.225	1.00	40.71
ATOM	1170	CG1	ILE	222	110.403	82.948	89.992	1.00	48.17
ATOM	1171	CD1	ILE	222	110.979	82.332 83.143	93.699	1.00	32.70
ATOM	1172	С	ILE	222	108.307	82.696	94.202	1.00	32.91
ATOM	1173	0	ILE	222	109.336 107.131	83.096	94.304	1.00	34.15
ATOM	1174	N	ALA	223	107.131	82.469	95.606	1.00	36.37
MOTA	1175	CA	ALA	223	105.677	82.936	96.253	1.00	40.47
MOTA	1176	СВ	ALA	223 223	106.981	80.962	95.481	1.00	36.88
ATOM	1177	C	ALA ALA	223	106.339	80.408	94.592	1.00	38.29
ATOM	1178	0	ARG	224	107.683	80.300	96.393	1.00	37.92
ATOM	1179	N CA	ARG	224	107.778	78.842	96.378	1.00	39.64
ATOM	1180	CB	ARG	224	108.533	78.336	97.623	1.00	40.36
ATOM	1181 1182	CG	ARG	224	109.850	77.565	97.349	1.00	43.06
ATOM ATOM	1183	CD	ARG	224	111.088	78.471	97.101	1.00	43.23
ATOM	1184	NE	ARG	224	111.056	79.161	95.809	1.00	41.83
ATOM	1185	CZ	ARG	224	111.816	78.842	94.765	1.00	37.49 33.15
ATOM	1186	NH1	ARG	224	112.680	77.847	94.848	1.00 1.00	38.85
ATOM	1187	NH2	ARG	224	111.678	79.492	93.619 96.316	1.00	40.65
ATOM	1188	С	ARG	224	106.386	78.210	95.535	1.00	41.59
ATOM	1189	0	ARG	224	106.154	77.288 78.768	97.076	1.00	42.15
ATOM	1190	N	THR	225	105.446 104.072	78.768 78.264	97.136	1.00	42.10
MOTA	1191	CA	THR	225 225	104.072	79.140	98.056	1.00	41.51
ATOM	1192	CB CC1	THR THR	225	103.201	80.515	97.667	1.00	42.81
ATOM	1193	OG1 CG2	THR	225	103.651	78.995	99.501	1.00	40.52
ATOM	1194 1195	C	THR	225	103.391	78.119	95.772	1.00	43.03
ATOM ATOM	1196	ŏ	THR	225	102.639	77.170	95.545	1.00	43.47
ATOM	1197	Ň	ASP	226	103.658	79.051	94.866	1.00	43.78
ATOM	1198	CA	ASP	226	103.075	78.991	93.535	1.00	44.84
ATOM	1199	СВ	ASP	226	103.324	80.296	92.775	1.00	48.02 52.98
ATOM	1200	CG	ASP	226	102.595	81.473	93.383	1.00	55.78
ATOM	1201	OD1	ASP	226	101.569	81.264	94.073	1.00 1.00	58.70
ATOM	1202	OD2	ASP	226	103.051	82.616	93.166 92.760	1.00	44.39
ATOM	1203	С	ASP	226	103.647	77.811	92.760	1.00	46.30
MOTA	1204	0	ASP	226	102.919	77.102 77.594	92.895	1.00	42.85
ATOM	1205	N	LEU	227	104.951 105.617	76.488	92.211	1.00	41.91
ATOM	1206	CA	LEU	227 227	105.617	76.573	92.418	1.00	41.83
ATOM	1207	CB	LEU	227	107.127		91.581	1.00	43.67
ATOM	1208	CG CD1	LEU	227	107.080		91.413	1.00	44.20
MOTA	1209 1210	CD2	LEU	227	109.207		92.234	1.00	45.65
MOTA	1210	C	LEU	227	105.060		92.727	1.00	41.23
ATOM ATOM	1212	ŏ	LEU	227	105.052	74.159	92.008	1.00	40.43
ATOM	1212	N	LYS	228	104.581	75.173	93.969	1.00	41.25
ATOM	1214	CA	LYS	228	103.976	74.002	94.598	1.00	41.51
ATOM	1215	СВ	LYS	228			96.103	1.00	42.68
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		00	PRO	234	98.606	67.085	87.162	1.00	14.18
MOTA	1274	CG	PRO	234	97.812	69.535	85.266		21.74
ATOM	1275	C 0	PRO	234	98.083	69.768	84.091	1.00	23.45
ATOM	1276	N	LEU	235	96.568	69.527	85.734	1.00	23.76
ATOM	1277	CA	LEU	235	95.436	69.806	84.856	1.00	24.11
ATOM	1278	CB	LEU	235	94.316	68.800	85.100	1.00	22.93
ATOM	1279 1280	CG	LEU	235	94.640	67.346	84.788	1.00	17.74
ATOM	1281	CD1	LEU	235	93.410	66.496	85.050	1.00	19.65 15.28
ATOM	1282	CD2	LEU	235	95.074	67.241	83.346	1.00	24.65
ATOM ATOM	1283	C	LEU	235	94.885	71.210	85.019	1.00 1.00	26.71
ATOM	1284	ŏ	LEU	235	93.947	71.597	84.315	1.00	24.68
ATOM	1285	Ň	ALA	236	95.476	71.967	85.939	1.00	24.91
ATOM	1286	CA	ALA	236	95.048	73.335	86.237	1.00	26.10
ATOM	1287	СВ	ALA	236	96.086	74.025	87.114	1.00	24.07
ATOM	1288	С	ALA	236	94.718	74.215	85.031 84.107	1.00	24.73
ATOM	1289	0	ALA	236	95.522	74.358	85.041	1.00	24.63
ATOM	1290	N	SER	237	93.517	74.783	83.981	1.00	25.43
ATOM	1291	CA	SER	237	93.070	75.678 75.717	83.941	1.00	25.49
ATOM	1292	CB	SER	237	91.541	74.422	83.729	1.00	26.13
ATOM	1293	OG	SER	237	91.009	77.068	84.292	1.00	25.26
ATOM	1294	С	SER	237	93.625	77.826	85.050	1.00	24.30
ATOM	1295	0	SER	237	93.017 94.814	77.357	83.755	1.00	27.02
ATOM	1296	N	LYS	238	95.514	78.632	83.956	1.00	26.84
ATOM	1297	CA	LYS	238 238	96.955	78.373	84.417	1.00	25.90
ATOM	1298	CB	LYS	238	97.069	77.574	85.713	1.00	30.34
ATOM	1299	CG	LYS	238	98.498	77.545	86.261	1.00	36.02
ATOM	1300	CD	LYS LYS	238	99.468	76.751	85.383	1.00	40.96
ATOM	1301	CE	LYS	238	99.312	75.265	85.478	1.00	43.36
ATOM	1302	NZ C	LYS	238	95.549	79.487	82.688	1.00	27.11
ATOM	1303 1304	0	LYS	238	95.469	78.960	81.588	1.00	28.11
ATOM	1304	N	ASP	239	95.647	80.805	82.839	1.00	27.73
MOTA	1305	CA	ASP	239	95.712	81.703	81.684	1.00	28.78 26.56
ATOM ATOM	1307	СВ	ASP	239	95.005	83.044	81.968	1.00	26.56 24.59
ATOM	1308	CG	ASP	239	95.633	83.832	83.116	1.00	26.84
ATOM	1309	OD1	ASP	239	96.564	83.334	83.766	1.00 1.00	24.38
ATOM	1310	OD2	ASP	239	95.189	84.968	83.374	1.00	30.60
ATOM	1311	С	ASP	239	97.169	81.927	81.268 81.855	1.00	32.51
ATOM	1312	0	ASP	239	98.087	81.343	80.296	1.00	30.28
ATOM	1313	N	ALA	240	97.389	82.805	79.811	1.00	31.43
ATOM	1314	CA	ALA	240	98.737	83.082	78.705	1.00	32.61
MOTA	1315	CB	ALA	240	98.686	84.111 83.536	80.905	1.00	33.16
ATOM	1316	C	ALA	240	99.701 100.915	83.424	80.756	1.00	34.13
ATOM	1317	0	ALA	240	99.158	84.024	82.013	1.00	34.52
ATOM	1318	N	LYS	241 241	99.985	84.507	83.114	1.00	34.81
MOTA	1319	CA	LYS	241	99.422	85.834	83.639	1.00	37.50
MOTA	1320	СВ	LYS	241	98.935	86.783	82.540	1.00	43.35
MOTA	1321	CG	LYS LYS	241	100.062		81.631	1.00	46.22
MOTA	1322	CD CE	LYS	241	100.841		82.278	1.00	48.19
ATOM	1323	NZ	LYS	241	99.952	89.571	82.619	1.00	51.12
ATOM	1324 1325	C	LYS	241	100.105		84.257	1.00	33.59
ATOM	1325	Ö	LYS	241	100.425		85.382	1.00	35.65
MOTA	1326	N	LYS	242		82.229	83.967	1.00	31.55
ATOM ATOM	1328		LYS	242		81.160	84.963	1.00	30.28
ATOM	1329		LYS	242	101.349		85.434	1.00	32.09 39.25
ATOM	1330		LYS	242	102.261		84.336	1.00	
ATOM	1331		LYS	242		9 79.221	83.672	1.00	46.14
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ATOM	1332	CE	LYS	242	102.685	78.627	82.676	1.00	51.26
		NZ	LYS	242	103.060	79.601	81.608	1.00	54.72
MOTA	1333				98.972	81.316	86.160	1.00	28.29
ATOM	1334	С	LYS	242		80.787	87.249	1.00	26.69
MOTA	1335	0	LYS	242	99.236			1.00	26.16
ATOM	1336	N	GLN	243	97.856	82.000	85.926		
	1337	CA	GLN	243	96.833	82.229	86.941	1.00	24.73
ATOM			GLN	243	96.364	83.679	86.905	1.00	25.73
ATOM	1338	СВ			97.449	84.714	87.041	1.00	28.69
ATOM	1339	CG	GLN	243			86.960	1.00	31.37
ATOM	1340	CD	GLN	243	96.883	86.108			35.38
ATOM	1341	OE1	GLN	243	97.213	86.874	86.062	1.00	
	1342	NE2	GLN	243	95.986	86.431	87.877	1.00	35.92
MOTA		C	GLN	243	95.625	81.346	86.646	1.00	23.19
ATOM	1343			243	95.335	81.062	85.488	1.00	22.08
ATOM	1344	0	GLN			80.934	87.684	1.00	22.67
ATOM	1345	N	LEU	244	94.907			1.00	23.46
ATOM	1346	CA	LEU	244	93.723	80.111	87.484		
ATOM	1347	СВ	LEU	244	93.144	79.655	88.824	1.00	22.03
		CG	LEU	244	93.986	78.729	89.695	1.00	18.65
ATOM	1348			244	93.196	78.359	90.934	1.00	13.02
ATOM	1349	CD1	LEU			77.478	88.913	1.00	18.74
ATOM	1350	CD2	LEU	244	94.361			1.00	23.82
ATOM	1351	С	LEU	244	92.690	80.959	86.757		
ATOM	1352	0	LEU	244	92.302	82.018	87.245	1.00	25.78
	1353	Ň	LEU	245	92.279	80.531	85.569	1.00	24.26
ATOM			LEU	245	91.286	81.298	84.836	1.00	22.59
ATOM	1354	CA				80.843	83.372	1.00	24.90
ATOM	1355	CB	LEU	245	91.181		82.962	1.00	25.75
ATOM	1356	CG	LEU	245	91.196	79.370			27.83
ATOM	1357	CD1	LEU	245	90.061	78.644	83.632	1.00	
	1358	CD2	LEU	245	91.086	79.250	81.443	1.00	21.78
ATOM			LEU	245	89.949	81.241	85.564	1.00	21.43
ATOM	1359	C			89.665	80.286	86.286	1.00	22.49
ATOM	1360	0	LEU	245			85.401	1.00	20.00
ATOM	1361	N	CYS	246	89.151	82.288			18.86
ATOM	1362	CA	CYS	246	87.858	82.388	86.057	1.00	
ATOM	1363	CB	CYS	246	88.004	83.243	87.321	1.00	17.47
	1364	SG	CYS	246	86.569	83.374	88.399	1.00	17.81
ATOM			CYS	246	86.852	83.027	85.106	1.00	20.06
ATOM	1365	C			87.217	83.804	84.216	1.00	18.69
ATOM	1366	0	CYS	246			85.265	1.00	19.49
ATOM	1367	N	GLY	247	85.592	82.646			17.64
ATOM	1368	CA	GLY	247	84.532	83.197	84.449	1.00	
ATOM	1369	C	GLY	247	83.474	83.715	85.398	1.00	16.99
		ŏ	GLY	247	83.420	83.287	86.553	1.00	18.25
ATOM	1370			248	82.630	84.626	84.935	1.00	16.02
MOTA	1371	N	ALA			85.189	85.792	1.00	15.37
ATOM	1372	CA	ALA	248	81.595			1.00	10.50
ATOM	1373	CB	ALA	248	82.055	86.520	86.362		
ATOM	1374	С	ALA	248	80.299	85.360	85.016	1.00	15.60
ATOM	1375	ō	ALA	248	80.319	85.477	83.788	1.00	15.68
			ALA	249	79.174	85.357	85.724	1.00	15.70
ATOM	1376	N			77.874	85.512	85.077	1.00	15.74
ATOM	1377	CA	ALA	249			85.574	1.00	12.70
ATOM	1378	CB	ALA	249	76.918	84.445			
ATOM	1379	С	ALA	249	77.282	86.891	85.327	1.00	14.03
ATOM	1380	0	ALA	249	77.329	87.381	86.452	1.00	14.73
		Ň	ILE	250	76.759	87.531	84.286	1.00	12.46
ATOM	1381			250	76.123	88.835	84.445	1.00	14.51
ATOM	1382	CA	ILE			90.018	83.895	1.00	11.80
. ATOM	1383	CB	ILE	250	76.965				9.96
ATOM	1384	CG2	ILE	250	78.249	90.162	84.659	1.00	
ATOM	1385	CG1	ILE	250	77.207	89.866	82.395	1.00	15.67
	1386	CD1	ILE	250	77.623	91.154	81.705	1.00	17.25
ATOM			ILE	250	74.772	88.844	83.739	1.00	17.19
ATOM	1387	C				87.948	82.959	1.00	18.56
MOTA	1388	0	ILE	250	74.460		84.074	1.00	18.09
MOTA	1389	N	GLY	251	73.950	89.828	04.074	1.00	, 5.00

						00.054	83.447	1.00	18.30
ATOM	1390	CA	GLY	251	72.655	89.954	82.176	1.00	20.39
ATOM	1391	С	GLY	251	72.821	90.758		1.00	20.47
ATOM	1392	0	GLY	251	73.944	90.968	81.721	1.00	23.81
ATOM	1393	N	THR	252	71.715	91.265	81.642		26.27
ATOM	1394	CA	THR	252	71.740	92.036	80.405	1.00	
ATOM	1395	СВ	THR	252	70.961	91.309	79.288	1.00	24.89
ATOM	1396	OG1	THR	252	69.704	90.844	79.803	1.00	27.82
	1397	CG2	THR	252	71.764	90.127	78.757	1.00	21.50
MOTA	1398	C	THR	252	71.216	93.467	80.537	1.00	28.88
ATOM	1399	ŏ	THR	252	71.085	94.182	79.540	1.00	30.63
ATOM	1400	N	HIS	253	70.875	93.877	81.753	1.00	29.72
ATOM	1400	CA	HIS	253	70.393	95.235	81.970	1.00	32.38
ATOM		CB	HIS	253	69.719	95.350	83.335	1.00	35.13
ATOM	1402	CG	HIS	253	68.545	94.438	83. 5 16	1.00	38.59
ATOM	1403		HIS	253	67.485	94.186	82.710	. 1.00	40.91
ATOM	1404	CD2	HIS	253 253	68.367	93.659	84.636	1.00	41.86
ATOM	1405	ND1		253 253	67.251	92.968	84.521	1.00	42.51
MOTA	1406	CE1	HIS	253 253	66.691	93.269	83.360	1.00	43.09
ATOM	1407	NE2	HIS		71.596	96.171	81.905	1.00	34.27
ATOM	1408	C	HIS	253		95.728	82.055	1.00	34.56
ATOM	1409	0	HIS	253	72.735	97.461	81.696	1.00	36.70
ATOM	1410	N	GLU	254	71.347	97. 4 61 98.467	81.621	1.00	38.22
ATOM	1411	CA	GLU	254	72.415		81.566	1.00	39.91
ATOM	1412	СВ	GLU	254	71.811	99.877	80.331	1.00	44.25
ATOM	1413	CG	GLU	254	70.970	100.167	79.060	1.00	47.81
ATOM	1414	CD	GLU	254	71.797	100.264		1.00	49.46
ATOM	1415	OE1	GLU	254	72.924	100.809	79.126	1.00	46.89
ATOM	1416	OE2	GLU	254	71.316	99.808	77.995		38.45
ATOM	1417	С	GLU	254	73.363	98.376	82.821	1.00	37.95
ATOM	1418	0	GLU	254	74.576	98.556	82.690	1.00	
ATOM	1419	N	ASP	255	72.791	98.085	83.986	1.00	39.23
ATOM	1420	CA	ASP	255	73.537	97.960	85.238	1.00	40.62
ATOM	1421	СВ	ASP	255	72.618	97.427	86.346	1.00	48.75
ATOM	1422	CG	ASP	255	71.337	98.236	86.500	1.00	59.02
ATOM	1423	OD1	ASP	255	71.359	99.251	87.238	1.00	63.37
ATOM	1424	OD2	ASP	255	70.306	97.841	85.898	1.00	63.08
	1425	C	ASP	255	74.698	96.985	85.080	1.00	38.56
ATOM	1426	ŏ	ASP	255	75.763	97.140	85.687	1.00	37.91
ATOM	1427	Ň	ASP	256	74.472	95.972	84.255	1.00	36.23
ATOM	1428	CA	ASP	256	75.467	94.943	84.028	1.00	32.80
ATOM		CB	ASP	256	74.831	93.752	83.324	1.00	31.43
ATOM	1429 1430	CG	ASP	256	73.752	93.113	84.164	1.00	31.85
ATOM		OD1	ASP	256	74.088	92.491	85.193	1.00	32.92
ATOM	1431		ASP	256	72.566	93.253	83.817	1.00	33.76
ATOM	1432	OD2	ASP	256 256	76.702	95.433	83.311	1.00	30.28
ATOM	1433	C	ASP	256 256	77.730	94.760	83.307	1.00	30.73
ATOM	1434	0		257	76.623	96.620	82.732	1.00	27.82
ATOM	1435	N	LYS		77.778	97.172	82.054	1.00	26.56
ATOM	1436	CA	LYS	257	77.770	98.332	81.163	1.00	27.33
ATOM	1437	СВ	LYS	257		97.918	80.089	1.00	27.87
ATOM	1438	CG	LYS	257	76.374		79.168	1.00	29.75
ATOM	1439	CD	LYS	257	76.064	99.065	77.987	1.00	31.51
ATOM	1440	CE	LYS	257	75.247	98.598		1.00	33.96
ATOM	1441	NZ	LYS	257	75.030	99.713	77.033	1.00	25.35
ATOM	1442	С	LYS	257	78.806	97.605	83.104		26.37
ATOM	1443	0	LYS	257	80.003	97.327	82.962	1.00	23.85
ATOM	1444	Ν	TYR	258	78.321	98.211	84.189	1.00	
ATOM	1445	CA	TYR	258	79.171	98.661	85.294	1.00	22.66
ATOM	1446	СВ	TYR	. 258	78.346	99.474	86.308	1.00	18.97
ATOM	1447	CG	TYR	258	78.981	99.660	87.677	1.00	18.12
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		004	TVD	258	80.182	100.357	87.832	1.00	19.37
ATOM	1448	CD1	TYR	258 258	80.765	100.518	89.096	1.00	19.31
MOTA	1449	CE1	TYR	258	78.380	99.129	88.820	1.00	17.20
ATOM	1450	CD2	TYR	258 258	78.955	99.284	90.081	1.00	17.71
ATOM	1451	CE2	TYR	258 258	80.144	99.978	90.213	1.00	18.86
ATOM	1452	CZ	TYR		80.711	100.126	91.460	1.00	23.15
ATOM	1453	OH	TYR	258	79.803	97.440	85.960	1.00	23.75
ATOM	1454	C	TYR	258	81.028	97.365	86.127	1.00	26.26
ATOM	1455	0	TYR	258	78.95 9	96.487	86.335	1.00	22.76
ATOM	1456	N	ARG	259	79.415	95.251	86.955	1.00	21.36
ATOM	1457	CA	ARG	259	78.231	94.307	87.120	1.00	21.72
ATOM	1458	СВ	ARG	259	78.579	92.912	87.567	1.00	20.25
ATOM	1459	CG	ARG	259	76.37 9 77.328	92.068	87.586	1.00	16.94
ATOM	1460	CD	ARG	259		92.538	88.583	1.00	9.97
ATOM	1461	NE	ARG	259	76.371	92.204	89.866	1.00	11.33
ATOM	1462	CZ	ARG	259	76.422	91.403	90.305	1.00	15.57
ATOM	1463	NH1	ARG	259	77.381	92.658	90.710	1.00	9.18
ATOM	1464	NH2	ARG	259	75.511	94.607	86.070	1.00	20.76
ATOM	1465	C	ARG	259	80.479		86.555	1.00	23.26
ATOM	1466	0	ARG	259	81.534	94.217 94.557	84.766	1.00	19.61
MOTA	1467	N	LEU	260	80.217		83.800	1.00	19.57
ATOM	1468	CA	LEU	260	81.149	93.986	82.372	1.00	15.34
ATOM	1469	CB	LEU	260	80.614	94.141	81.270	1.00	12.31
ATOM	1470	CG	LEU	260	81.576	93.695		1.00	13.03
ATOM	1471	CD1	LEU	260	81.799	92.187	81.352	1.00	11.42
ATOM	1472	CD2	LEU	260	81.035	94.079	79.914	1.00	22.22
ATOM	1473	С	LEU	260	82.496	94.684	83.898	1.00	22.00
ATOM	1474	0	LEU	260	83.549	94.038	83.867	1.00	24.36
ATOM	1475	N	ASP	261	82.462	96.008	83.997	1.00	23.45
ATOM	1476	CA	ASP	261	83.688	96.785	84.090	1.00	24.33
MOTA	1477	СВ	ASP	261	83.389	98.284	84.092	1.00	2 4 .33 26.27
ATOM	1478	CG	ASP	261	82.896	98.788	82.739	1.00	19.29
ATOM	1479	OD1	ASP	261	83.111	98.103	81.719		32.41
ATOM	1480	OD2	ASP	261	82.295	99.881	82.693	1.00	22.43
ATOM	1481	С	ASP	261	84.480	96.378	85.315	1.00	25.11
ATOM	1482	0	ASP	261	85.689	96.169	85.219	1.00	19.65
ATOM	1483	N	LEU	262	83.801	96.197	86.445	1.00	18.60
ATOM	1484	CA	LEU	262	84.482	95.782	87.670	1.00	
ATOM	1485	CB	LEU	262	83.547	95.857	88.877	1.00	16.65
ATOM	1486	CG	LEU	262	82.947	97.231	89.194	1.00	18.61
ATOM	1487	CD1	LEU	262	82.651	97.321	90.682	1.00	14.11
ATOM	1488	CD2	LEU	262	83.910	98.341	88.782	1.00	16.63
ATOM	1489	С	LEU	262	85.030	94.368	87.522	1.00	19.71
ATOM	1490	0	LEU	262	86.100	94.044	88.050	1.00	20.31
ATOM	1491	N	LEU	263	84.306	93.533	86.782	1.00	19.72
ATOM	1492	CA	LEU	263	84.728	92.158	86.546	1.00	18.62
ATOM	1493	CB	LEU	263	83.581	91.321	85.970	1.00	15.30
ATOM	1494	CG ·	LEU	263	82.386	91.120	86.909	1.00	13.44
ATOM	1495	CD1	LEU	263	81.319	90.307	86.215	1.00	12.65
ATOM	1496	CD2	LEU	263	82.828	90.450	88.194	1.00	8.53
ATOM	1497	С	LEU	263	85.925	92.145	85.608	1.00	19.87
ATOM	1498	0	LEU	263	86.802	91.288	85.730	1.00	19.89
ATOM	1499	N	ALA	264	85.966	93.104	84.685	1.00	20.77
ATOM	1500	CA	ALA	264	87.079	93.220	83.741	1.00	21.02
ATOM	1501	СВ	ALA	264	86.809	94.324	82.728	1.00	19.62
ATOM	1502	c	ALA	264	88.331	93.540	84.553	1.00	20.05
ATOM	1503	ŏ	ALA	264	89.330	92.824	84.484	1.00	19.96
ATOM	1504	Ň	LEU	265	88.235	94.582	85.374	1.00	19.65
ATOM	1505	CA	LEU	265	89.326	95.002	86.240	1.00	17.63
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				OCE	88.875	96.165	87.118	1.00	14.88
ATOM	1506	CB	LEU		88.827	97.558	86.487	1.00	16.17
ATOM	1507	CG	LEU		88.122	98.539	87.420	1.00	14.22
ATOM	1508	CD1	LEU	265 265	90.236	98.024	86.198	1.00	9.91
ATOM	1509	CD2	LEU	265	89.781	93.856	87.136	1.00	19.52
ATOM	1510	С	LEU	265		93.792	87.517	1.00	23.94
ATOM	1511	0	LEU	265	90.945	92.975	87.495	1.00	17.94
ATOM	1512	N	ALA	266	88.851	91.827	88.349	1.00	14:70
ATOM	1513	CA	ALA	266	89.144	91.215	88.859	1.00	14.20
ATOM	1514	CB	ALA	266	87.852	90.776	87.605	1.00	14.73
ATOM	1515	С	ALA	266	89.956	89.925	88.219	1.00	14.46
ATOM	1516	0	ALA	266	90.602	90.825	86.280	1.00	14.47
ATOM	1517	N	GLY	267	89.901	89.869	85.480	1.00	15.93
ATOM	1518	CA	GLY	267	90.638	88.638	85.089	1.00	19.86
ATOM	1519	С	GLY	267	89.848	87.567	84.889	1.00	23.99
ATOM	1520	0	GLY	267	90.427		84.996	1.00	21.02
ATOM	1521	N	VAL	268	88.528	88.774	84.607	1.00	19.03
ATOM	1522	CA	VAL	268	87.660	87.670	84.620	1.00	16.96
ATOM	1523	CB	VAL	268	86.178	88.107	83.477	1.00	13.08
ATOM	1524	CG1	VAL	268	85.891	89.056	84.565	1.00	18.26
ATOM	1525	CG2	VAL	268	85.266	86.907	83.188	1.00	19.74
ATOM	1526	С	VAL	268	88.076	87.274		1.00	21.80
ATOM	1527	0	VAL	268	88.452	88.136	82.393	1.00	18.77
ATOM	1528	N	ASP	269	88.035	85.980	82.886	1.00	15.89
ATOM	1529	CA	ASP	269	88.428	85.481	81.571	1.00	15.41
ATOM	1530	СВ	ASP	269	89.229	84.193	81.728		19.66
ATOM	1531	CG	ASP	269	90.448	84.371	82.604	1.00	22.69
ATOM	1532	OD1	ASP	269	91.555	84.564	82.070	1.00	22.09
ATOM	1533	OD2	ASP	269	90.303	84.319	83.835	1.00	
ATOM	1534	C	ASP	269	87.273	85.245	80.597	1.00	16.00 17.09
ATOM	1535	ŏ	ASP	269	87.419	85.442	79.386	1.00	
	1536	Ň	VAL	270	86.146	84.770	81.115	1.00	16.22
ATOM	1537	CA	VAL	270	84.978	84.491	80.289	1.00	16.09
MOTA	1538	СВ	VAL	270	84.782	82.974	80.021	1.00	15.10
MOTA	1539	CG1	VAL	270	85.722	82.506	78.967	1.00	20.52
MOTA	1540	CG2	VAL	270	85.024	82.174	81.275	1.00	15.72
ATOM	1541	C	VAL	270	83.759	84.976	81.024	1.00	16.90
ATOM	1542	Ö	VAL	270	83.689	84.857	82.248	1.00	18.88
MOTA	1543	Ň	VAL	271	82.797	85.512	80.284	1.00	15.33
MOTA	1544	CA	VAL	271	81.574	86.005	80.885	1.00	13.74
ATOM	1545	СВ	VAL	271	81.528	87.542	80.857	1.00	11.48
MOTA	1546	CG1	VAL	271	80.130	88.035	81.173	1.00	11.74
ATOM	1547	CG2	VAL	271	82.497	88.096	81.881	1.00	11.95
ATOM	1548	C	VAL	271	80.333	85.420	80.215	1.00	14.45
ATOM	1549	Ö	VAL	271	80.222	85.401	78.986	1.00	15.35
ATOM	1550	N	VAL	272	79.421	84.904	81.028	1.00	13.08
ATOM	1551	CA	VAL	272	78.193	84.341	80.511	1.00	12.88
ATOM		CB	VAL	272	77.924	82.906	81.050	1.00	11.78
ATOM	1552	CG1	VAL	272	77.855	82.893	82.547	1.00	13.59
ATOM	1553	CG2	VAL	272	76.630	82.371	80.485	1.00	11.58
ATOM	1554	C	VAL	272	77.020	85.255	80.843	1.00	14.54
ATOM	1555		VAL	272	76.896	85.751	81.971	1.00	14.50
ATOM	1556	0 N	LEU	273	76.215	85.535	79.823	1.00	14.49
ATOM	1557	CA	LEU	273	75.031	86.362	79.969	1.00	13.78
ATOM	1558		LEU	273	74.703	87.005	78.628	1.00	10.64
ATOM	1559	CB	LEU	273	75.900	87.845	78.168	1.00	8.78
ATOM	1560	CG CD1	LEU	273	75.649	88.474	76.836	1.00	10.66
ATOM	1561	CD1		273 273		88.927	79.188	1.00	9.83
ATOM	1562	CD2	LEU	273 273		85.434	80.469	1.00	16.26
ATOM	1563	С	LEU	213	, 0.0 , 0				

	4504	_	LEU	273	73.510	84.478	79.781	1.00	15.19
ATOM	1564	0	ASP	274	73.499	85.689	81.708	1.00	15.97
ATOM	1565	N	ASP	274	72.492	84.910	82.430	1.00	14.76
ATOM	1566	CA	ASP	274	72.706	85.144	83.932	1.00	14.18
MOTA	1567	CB		274	72.150	84.036	84.789	1.00	18.31
ATOM	1568	CG	ASP	274	72.100	82.901	84.291	1.00	23.20
MOTA	1569	OD1	ASP		71.882	84.294	85.985	1.00	21.30
ATOM	1570	OD2	ASP	274		85.177	82.066	1.00	13.69
ATOM	1571	С	ASP	274	71.028	86.253	82.339	1.00	16.74
ATOM	1572	0	ASP	274	70.494	84.174	81.501	1.00	11.17
ATOM	1573	Ν	SER	275	70.367		81.122	1.00	10.14
ATOM	1574	CA	SER	275	68.963	84.287	79.934	1.00	8.75
ATOM	1575	CB	SER	275	68.784	85.240	78.828	1.00	18.88
ATOM	1576	OG	SER	275	69.604	84.882		1.00	10.53
ATOM	1577	С	SER	275	68.344	82.937	80.802	1.00	10.72
ATOM	1578	0	SER	275	69.030	82.021	80.351	1.00	12.08
ATOM	1579	N	SER	276	67.054	82.810	81.092		11.23
ATOM	1580	CA	SER	276	66.311	81.589	80.835	1.00	7.13
ATOM	1581	СВ	SER	276	65.058	81.558	81.702	1.00	
ATOM	1582	OG	SER	276	64.208	82.626	81.348	1.00	7.88
ATOM	1583	Ċ	SER	276	65.921	81.513	79.359	1.00	13.13
ATOM	1584	Ö	SER	276	65.594	80.439	78.845	1.00	17.69
ATOM	1585	Ň	GLN	277	65.930	82.657	78.687	1.00	12.48
	1586	CA	GLN	277	65.583	82.720	77.275	1.00	14.28
MOTA	1587	СВ	GLN	277	64.093	83.058	77.115	1.00	13,50
ATOM	1588	CG	GLN	277	63.387	82.326	75.968	1.00	10.64
ATOM	1589	CD	GLN	277	63.715	82.880	74.584	1.00	13.67
ATOM		OE1	GLN	277	62.891	83.547	73.959	1.00	13.62
ATOM	1590	NE2	GLN	277	64.906	82.574	74.088	1.00	14.26
ATOM	1591	C	GLN	277	66.463	83.823	76.702	1.00	15.33
ATOM	1592	0	GLN	277	66.047	84.981	76.612	1.00	17.75
ATOM	1593		GLY	278	67.685	83.453	76.329	1.00	13.77
ATOM	1594	N	GLY	278	68.637	84.413	75.809	1.00	11.38
ATOM	1595	CA	GLY	278 278	68.472	84.918	74.396	1.00	11.86
ATOM	1596	C	GLY	278 278	69.294	85.703	73.956	1.00	14.42
ATOM	1597	0		279	67.460	84.474	73.664	1.00	11.99
ATOM	1598	N	ASN	279	67.282	84.959	72.299	1.00	13.64
ATOM	1599	CA	ASN		66.599	83.900	71.438	1.00	13.49
ATOM	1600	CB	ASN	279		84.345	70.001	1.00	12.47
MOTA	1601	CG	ASN	279	66.410 67.116	85.214	69.509	1.00	12.30
ATOM	1602	OD1	ASN	279	67.116 65.425	83.757	69.331	1.00	14.37
ATOM	1603	ND2	ASN	279	65.435	86.240	72.335	1.00	15.97
ATOM	1604	Ç	ASN	279	66.452		-4.044	1.00	18.11
ATOM	1605	0	ASN	279	65.286	86.256	71.941 72.819	1.00	16.92
MOTA	1606	N	SER	280	67.058	87.317	72.940	1.00	14.96
ATOM	1607	CA	SER	280	66.355	88.585		1.00	14.71
ATOM	1608	CB	SER	280	66.005	88.845	74.408	1.00	13.79
ATOM	1609	OG	SER	280	67.161	89.029	75.220	1.00	15.56
ATOM	1610	С	SER	280	67.165	89.747	72.419		17.53
ATOM	1611	0	SER	280	68.396	89.694	72.378	1.00	17.53 15.66
ATOM	1612	N	ILE	281	66.474	90.825	72.077	1.00	
ATOM	1613	CA	ILE	281	67.135	92.022	71.584	1.00	14.41
ATOM	1614	CB	ILE	281	66.097	93.080	71.109	1.00	14.31
ATOM	1615	CG2	ILE	281	65.235	93.547	72.266	1.00	11.29
ATOM	1616	CG1	ILE	281	66.807	94.239	70.417	1.00	14.68
ATOM	1617	CD1	ILE	281	67.730	93.792	69.281	1.00	14.99
ATOM	1618	C	ILE	281	68.042	92.588	72.683	1.00	13.74
ATOM	1619	Ö	ILE	281	69.099	93.153	72.404	1.00	12.52
ATOM	1620	Ň	PHE	282	67.659	92.368	73.937	1.00	15.03
ATCM	1621	CA	PHE	282	68.435	92.855	75.077	1.00	14.86
AIOM	1021	_,,							

				000	67 707	92.591	76.399	1.00	14.56
ATOM	1622	CB	PHE	282	67.707		76.364	1.00	19.88
ATOM	1623	CG	PHE	282	66.256	92.942		1.00	25.20
ATOM	1624	CD1	PHE	282	65.835	94.187	75.904		
ATOM	1625	CD2	PHE	282	65.304	92.026	76.787	1.00	22.64
ATOM	1626	CE1	PHE	282	64.485	94.509	75.845	1.00	27.06
ATOM	1627	CE2	PHE	282	63.951	92.332	76.735	1.00	26.16
	1628	CZ	PHE	282	63.540	93.579	76.269	1.00	29.37
ATOM		C	PHE	282	69.796	92.188	75.122	1.00	14.34
ATOM	1629			282	70.811	92.866	75.263	1.00	14.62
ATOM	1630	0	PHE			90.864	75.001	1.00	15.01
ATOM	1631	N	GLN	283	69.820		75.052	1.00	17.13
ATOM	1632	CA	GLN	283	71.087	90.148			
ATOM	1633	CB	GLN	283	70.889	88.660	75.311	1.00	17.99
ATOM	1634	ÇG	GLN	283	72.196	87.972	75.692	1.00	18.78
ATOM	1635	CD	GLN	283	72.051	86.486	75.904	1.00	16.42
ATOM	1636	OE1	GLN	283	72.606	85.697	75.154	1.00	16.50
ATOM	1637	NE2	GLN	283	71.322	86.098	76.944	1.00	17.31
		C	GLN	283	71.915	90.331	73.792	1.00	17.41
ATOM	1638			283	73.138	90.426	73.856	1.00	17.81
ATOM	1639	0	GLN			90.358	72.647	1.00	18.52
ATOM	1640	N	ILE	284	71.249			1.00	19.90
ATOM	1641	CA	ILE	284	71.935	90.546	71.373		
ATOM	1642	CB	ILE	284	70.915	90.586	70.194	1.00	19.91
ATOM	1643	CG2	ILE	284	71.604	91.001	68.900	1.00	20.36
ATOM	1644	CG1	ILE	284	70.239	89.215	70.052	1.00	18.80
ATOM	1645	CD1	ILE	284	69.221	89.133	68.948	1.00	20.66
	1646	C	ILE	284	72.749	91.841	71.426	1.00	19.77
ATOM	1647	ŏ	ILE	284	73.962	91.831	71.201	1.00	21.96
ATOM		_		285	72.097	92.934	71.811	1.00	18.02
ATOM	1648	N	ASN			94.219	71.901	1.00	16.86
ATOM	1649	CA	ASN	285	72.767		71.301	1.00	9.23
ATOM	1650	CB	ASN	285	71.758	95.335			
ATOM	1651	CG	ASN	285	70.839	95.538	70.963	1.00	10.63
ATOM	1652	OD1	ASN	285	71.251	95.416	69.805	1.00	14.11
ATOM	1653	ND2	ASN	285	69.577	95.842	71.246	1.00	12.07
ATOM	1654	С	ASN	285	73.842	94.223	72.980	1.00	19.52
ATOM	1655	Ō	ASN	285	74.877	94.881	72.838	1.00	21.75
ATOM	1656	Ň	MET	286	73.610	93.474	74.051	1.00	20.87
	1657	CA	MET	286	74.582	93.388	75.132	1.00	24.40
ATOM				286	73.979	92.662	76.335	1.00	25.20
ATOM	1658	CB	MET		74.934	92.449	77.501	1.00	29.91
ATOM	1659	CG	MET	286			78.086	1.00	26.75
ATOM	1660	SD	MET	286	75.778	93.921			30.56
ATOM	1661	CE	MET	286	74.626	94.506	79.322	1.00	
ATOM	1662	С	MET	286	75.831	92.666	74.621	1.00	27.07
ATOM	1663	0	MET	286	76.958	93.069	74.930	1.00	27.63
ATOM	1664	N	ILE	287	75.621	91.634	73.803	1.00	28.55
ATOM	1665	CA	ILE	287	76.712	90.856	73.215	1.00	28.03
ATOM	1666	СВ	ILE	287	76.175	89.730	72.294	1.00	26.14
ATOM	1667	CG2	ILE	287	77.310	89.112	71.487	1.00	23.50
	1668	CG1	ILE	287	75.472	88.648	73.114	1.00	26.20
ATOM				287	76.414	87.729 [°]	73.835	1.00	24.06
ATOM	1669	CD1	ILE				72.362	1.00	29.78
ATOM	1670	C	ILE	287	77.556	91.794		1.00	30.63
ATOM	1671	0	ILE	287	78.770	91.906	72.559		
ATOM	1672	N	LYS	288	76.892	92.483	71.437	1.00	31.89
ATOM	1673	CA	LYS	288	77.549	93.417	70.523	1.00	34.53
ATOM	1674	CB	LYS	288	76.521	94.076	69.603	1.00	33.65
ATOM	1675	CG	LYS	288	75.860	93.124	68.623	1.00	33.76
ATOM	1676	CD	LYS	288	74.914	93.876	67.713	1.00	38.36
ATOM	1677	CE	LYS	288	74.279	92.962	66.684	1.00	43.07
ATOM	1678	NZ	LYS	288	73.338	93.710	65.798	1.00	47.95
		C	LYS	288	78.343	94.485	71.265	1.00	37.00
ATOM	1679	C	LIG	200	, 0.545	U-1.700			

		_	1.40	288	79.420	94.897	70.819	1.00	39.41
ATOM	1680	0	LYS	289	77.790	94.945	72.383	1.00	36.27
ATOM	1681	N	TYR TYR	289	78.436	95.944	73.219	1.00	34.85
ATOM	1682	CA	TYR	289	77.514	96.292	74.390	1.00	32.73
ATOM	1683	CB	TYR	289	78.159	97.114	75.482	1.00	30.62
MOTA	1684	CG CD1	TYR	289	78.359	98.484	75.327	1.00	31.85
MOTA	1685	CD1	TYR	289	78.943	99.243	76.325	1.00	28.71
ATOM	1686	CE1	TYR	289	78.574	96.522	76.668	1.00	31.04
ATOM	1687	CD2 CE2	TYR	289	79.162	97.273	77.675	1.00	31.98
ATOM	1688	CZ	TYR	289	79.348	98.630	77.494	1.00	30.03
ATOM	1689 1690	OH	TYR	289	79.931	99.374	78.485	1.00	32.92
ATOM	1691	C	TYR	289	79.770	95.401	73.744	1.00	35.05
ATOM	1692	ŏ	TYR	289	80.833	95.979	73.507	1.00	34.75
MOTA	1693	Ň	MET	290	79.697	94.261	74.421	1.00	35.07
ATOM ATOM	1694	CA	MET	290	80.858	93.611	75.011	1.00	34.69
ATOM	1695	СВ	MET	290	80.422	92.339	75.727	1.00	33.03
ATOM	1696	CG	MET	290	79.436	92.601	76.840	1.00	31.76 31.65
ATOM	1697	SD	MET	290	78.883	91.099	77.601	1.00	30.46
ATOM	1698	CE	MET	290	80.424	90.507	78.341	1.00	36.51
ATOM	1699	C	MET	290	81.958	93.295	74.012	1.00	37.23
ATOM	1700	Ö	MET	290	83.141	93.486	74.308	1.00	36.05
ATOM	1701	N	LYS	291	81.577	92.788	72.843	1.00 1.00	34.69
ATOM	1702	CA	LYS	291	82.550	92.458	71.803	1.00	35.82
ATOM	1703	CB	LYS	291	81.856	91.770	70.626	1.00	36.35
ATOM	1704	CG	LYS	291	82.396	90.391	70.284	1.00	38.70
ATOM	1705	CD	LYS	291	82.164	89.404	71.417 72.198	1.00	38.01
ATOM	1706	CE	LYS	291	83.442	89.107	72.196 71.437	1.00	33.80
ATOM	1707	NZ	LYS	291	84.404	88.262	71.437 71.328	1.00	34 40
ATOM	1708	С	LYS	291	83.243	93.733	70.897	1.00	33.76
ATOM	1709	0	LYS	291	84.393	93.699	71.401	1.00	34.73
ATOM	1710	N	GLU	292	82.528	94.853 96.145	70.998	1.00	35.38
ATOM	1711	CA	GLU	292	83.063 81.933	97.156	70.798	1.00	41.72
MOTA	1712	СВ	GLU	292	82.425	98.589	70.606	1.00	53.68
ATOM	1713	CG	GLU	292	81.320	99.627	70.724	1.00	64.47
MOTA	1714	CD	GLU	292 292	81.251	100.519	69.847	1.00	68.28
ATOM	1715	OE1	GLU GLU	292 292	80.533	99.564	71.698	1.00	69.72
ATOM	1716	OE2	GLU	292	84.021	96.681	72.051	1.00	33.49
ATOM	1717	C	GLU	292	85.194	96.928	71.773	1.00	32.22
ATOM	1718	0 N	LYS	293	83.503	96.868	73.259	1.00	32.85
ATOM	1719 1720	CA	LYS	293	84.286	97.395	74.372	1.00	32.45
MOTA	1720	CB	LYS	293	83.386	97.603	75.592	1.00	30.22
MOTA	1722	CG	LYS	293	83.986	98.489	76.659	1.00	29.87
ATOM ATOM	1723	CD	LYS	293	83.036	98.648	77.822	1.00	32.75
ATOM	1724	CE	LYS	293	83.579	99.596	78.874	1.00	34.50
ATOM	1725	NZ	LYS	293	83.695	100.990	78.367	1.00	40.11
ATOM	1726	C	LYS	293	85.458	96.493	74.745	1.00	32.68
ATOM	1727	Ö	LYS	293	86.563	96.971	74.990	1.00	33.81
ATOM	1728	N	TYR	294	85.212	95.190	74.781	1.00	32.79
ATOM	1729	CA	TYR	294	86.233	94.216	75.135	1.00	33.40
ATOM	1730	CB	TYR	294	85.822	93.506	76.428	1.00	30.64
ATOM	1731	CG	TYR	294	85.685	94.421	77.628	1.00	27.56 27.07
ATOM	1732	CD1	TYR	294	86.817	94.950	78.251	1.00 1.00	25.34
ATOM	1733	CE1	TYR	294	86.713	95.786	79.358	1.00	26.35
ATOM	1734	CD2	TYR	294	84.432	94.754	78.146	1.00	25.10
ATOM	1735	CE2	TYR	294	84.314	95.591	79.259 70.856	1.00	27.67
ATOM	1736	CZ	TYR	294		96.102	79.856 80.955	1.00	29.72
ATOM	1737	ОН	TYR	294	85.378	96.923	60.955	1.00	20.12

ATOM	1738	С	TYR	294	86.385	93.202	74.005	1.00	35.70
MOTA	1738	0	TYR	294	86.004	92.048	74.153	1.00	36.93
ATOM	1739	N	PRO	295	87.047	93.594	72.904	1.00	37.78
ATOM		CD	PRO	295	87.797	94.854	72.787	1.00	38.64
ATOM	1741		PRO	295	87.276	92.755	71.720	1.00	38.05
ATOM	1742	CA		295 295	88.340	93.532	70.952	1.00	38.38
ATOM .	1743	CB	PRO	295 295	88.039	94.939	71.301	1.00	41.28
ATOM	1744	CG	PRO		87.749	91.334	71.982	1.00	39.01
ATOM	1745	С	PRO	295	87.333	90.401	71.295	1.00	41.67
ATOM	1746	0	PRO	295		91.172	71.295	1.00	37.89
ATOM	1747	N	ASN	296	88.625	89.859	73.274	1.00	38.39
ATOM	1748	CA	ASN	296	89.174	89.999	73.747	1.00	45.75
ATOM	1749	CB	ASN	296	90.623	90.469	73.747 72.645	1.00	53.22
MOTA	1750	CG	ASN	296	91.562		72.643 71.627	1.00	58.39
ATOM	1751	OD1	ASN	296	91.127	91.015		1.00	54.67
ATOM	1752	ND2	ASN	296	92.860	90.266	72.850	1.00	37.03
ATOM	1753	Ç	ASN	296	88.393	89.020	74.280		39.51
ATOM	1754	0	ASN	296	88.561	87.796	74.329	1.00	
ATOM	1755	N	LEU	297	87.531	89.664	75.066	1.00	33.27 27.99
ATOM	1756	CA	LEU	297	86.754	88.965	76.086	1.00	
ATOM	1757	CB	LEŲ	297	85.902	89.945	76.898	1.00	23.39
ATOM	1758	CG	LEU	297	85.183	89.404	78.137	1.00	19.80
ATOM	1759 ⁻	CD1	LEU	297	86.188	88.783	79.104	1.00	12.69
ATOM	1760	CD2	LEU	297	84.389	90.524	78.805	1.00	14.38
ATOM	1761	С	LEU	297	85.872	87.884	75.492	1.00	27.28
ATOM	1762	0	LEU	297	85.189	88.096	74.491	1.00	28.13
ATOM	1763	N	GLN	298	85.906	86.715	76.116	1.00	26.76
ATOM	1764	CA	GLN	298	85.122	85.577	75.670	1.00	23.04
ATOM	1765	CB	GLN	298	85.814	84.292	76.090	1.00	22.03
ATOM	1766	CG	GLN	298	87.125	84.068	75.373	1.00	20.61
ATOM	1767	CD	GLN	298	86.930	83.836	73.887	1.00	23.42
ATOM	1768	OE1	GLN	298	86.604	82.728	73.459	1.00	22.37
MOTA	1769	NE2	GLN	298	87.125	84.877	73.092	1.00	23.24
ATOM	1770	С	GLN	298	83.719	85.643	76.249	1.00	22.42
ATOM	1771	0	GLN	298	83.544	85.639	77.468	1.00	22.91
ATOM	1772	N	VAL	299	82.728	85.712	75.365	1.00	20.33
ATOM	1773	CA	VAL	299	81.333	85.797	75.767	1.00	17.94
ATOM	1774	СВ	VAL	299	80.690	87.048	75.161	1.00	18.36
ATOM	1775	CG1	VAL	299	79.317	87.271	75.737	1.00	16.17
ATOM	1776	CG2	VAL	299	81.578	88.257	75.410	1.00	20.86
ATOM	1777	С	VAL	299	80.523	84.549	75.379	1.00	17.77
ATOM	1778	0	VAL	299	80.683	83.997	74.287	1.00	17.61
ATOM	1779	N	ILE	300	79.655	84.121	76.291	1.00	15.64
ATOM	1780	CA	ILE	300	78.803	82.955	76.113	1.00	11.70
ATOM	1781	CB	ILE	300	79.026	81.983	77.276	1.00	5.27
ATOM	1782	CG2	ILE	300	78.130	80.794	77.157	1.00	9.90
ATOM	1783	CG1	ILE	300	80.485	81.544	77.289	1.00	3.10
ATOM	1784	CD1	ILE	300	80.845	80.697	78.471	1.00	6.58
ATOM	1785	С	ILE	300	77.340	83.423	76.059	1.00	13.85
ATOM	1786	Ō	ILE	300	76.928	84.238	76.876	1.00	13.73
ATOM	1787	Ñ	GLY	301	76.569	82.902	75.105	1.00	16.05
ATOM	1788	CA	GLY	301	75.184	83.312	74.929	1.00	18.06
ATOM	1789	C	GLY	301	74.134	82.665	75.804	1.00	20.81
ATOM	1790	ŏ	GLY	301	74.131	81.445	75.958	1.00	21.22
ATOM	1791	Ň	GLY	302	73.240	83.512	76.330	1.00	23.53
ATOM	1792	CA	GLY	302	72.133	83.145	77.218	1.00	22.62
ATOM	1793	c	GLY	302	71.470	81.838	76.874	1.00	23.12
ATOM	1794	ŏ	GLY	302	71.613	81.391	75.733	1.00	26.43
ATOM	1795	N	ASN	303	70.684	81.263	77.791	1.00	18.57
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				202	70.089	79.951	77.516	1.00	14.15
ATOM	1796	CA	ASN	303	69.434	79.345	78.750	1.00	10.27
ATOM	1797	СВ	ASN	303	70.445	78.700	79.679	1.00	13.65
MOTA	1798	CG	ASN	303	70.443	77.553	80.098	1.00	14.49
ATOM	1799	OD1	ASN	303	71.503	79.438	79.989	1.00	12.02
ATOM	1800	ND2	ASN	303 303	69.212	79.796	76.301	1.00	12.10
ATOM	1801	C	ASN		68.194	80.475	76.161	1.00	13.68
ATOM	1802	0	ASN	303	69.668	78.936	75.390	1.00	9.70
MOTA	1803	N	VAL	304 304	68.963	78.635	74.149	1.00	9.71
ATOM	1804	CA	VAL	304	69.712	79.185	72.881	1.00	9.64
MOTA	1805	СВ	VAL	304	69.948	80.697	72.987	1.00	5.85
ATOM	1806	CG1	VAL	304	71.030	78.454	72.654	1.00	4.29
ATOM	1807	CG2	VAL	304	68.774	77.123	73.999	1.00	10.42
ATOM	1808	C	VAL VAL	304	69.493	76.325	74.619	1.00	8.79
ATOM	1809	0	VAL	305	67.785	76.731	73.200	1.00	10.37
ATOM	1810	N	VAL	305	67.510	75.313	72.963	1.00	9.42
ATOM	1811	CA	VAL	305	66.380	74.769	73.899	1.00	9.04
ATOM	1812	CB CG1	VAL	305	66.785	74.892	75.349	1.00	6.04
ATOM	1813	CG2	VAL	305	65.069	75.492	73.652	1.00	9.90
ATOM	1814	C	VAL	305	67.187	74.978	71.498	1.00	9.35
ATOM	1815	Ö	VAL	305	66.936	73.823	71.172	1.00	9.44
ATOM	1816	Ň	THR	306	67.212	75.977	70.617	1.00	9.59
ATOM	1817	CA	THR	306	66.929	75.762	69.197	1.00	11.26
ATOM	1818	CB	THR	306	65.522	76.277	68.796	1.00	15.29
ATOM	1819	OG1	THR	306	65.485	77.702	68.918	1.00	24.72
ATOM	1820 1821	CG2	THR	306	64.427	75.679	69.673	1.00	13.39
ATOM	1822	C	THR	306	67.960	76.493	68.331	1.00	12.58
ATOM	1823	ŏ	THR	306	68.531	77.502	68.748	1.00	11.97
ATOM	1824	N	ALA	307	68.164	76.001	67.112	1.00	13.41
MOTA	1825	CA	ALA	307	69.118	76.593	66.181	1.00	12.33
ATOM ATOM	1826	СВ	ALA	307	69.226	75.725	64.947	1.00	10.43
ATOM	1827	C	ALA	307	68.764	78.035	65.794	1.00	14.20
MOTA	1828	Ö	ALA	307	69.645	78.870	65.605	1.00	17.80
ATOM	1829	Ň	ALA	308	67.477	78.328	65.670	1.00	14.93
ATOM	1830	CA	ALA	308	67.031	79.671	65.324	1.00	14.54 11.96
ATOM	1831	СВ	ALA	308	65.529	79.700	65.176	1.00	17.15
ATOM	1832	C	ALA	308	67.488	80.675	66.390	1.00	18.96
ATOM	1833	0	ALA	308	67.893	81.790	66.060	1.00 1.00	17.15
ATOM	1834	N	GLN	309	67.412	80.281	67.663	1.00	17.13
ATOM	1835	CA	GLN	309	67.844	81.146	68.762	1.00	15.04
ATOM	1836	CB	GLN	309	67.486	80.545	70.117 70.439	1.00	11.07
ATOM	1837	CG	GLN	309	66.015	80.443		1.00	11.92
ATOM	1838	CD	GLN	309	65.813	79.776	71.777 72.816	1.00	15.82
ATOM	1839	OE1	GLN	309	65.754	80.431	71.769	1.00	11.54
ATOM	1840	NE2	GLN	309	65.783	78.461	68.704	1.00	19.46
ATOM	1841	С	GLN	309	69.361	81.291	68.800	1.00	22.14
ATOM	1842	0	GLN	309	69.899	82.400	68.577	1.00	18.81
ATOM	1843	Ν	ALA	310	70.048	80.162	68.510	1.00	19.07
ATOM	1844	CA	ALA	310	71.502	80.158	68.259	1.00	16.86
ATOM	1845	CB	ALA .	310	72.027	78.744	67.429	1.00	20.18
ATOM	1846	С	ALA	310	71.997	81.107	67.685	1.00	21.07
ATOM	1847	0	ALA	310		81.907 81.071	66.253	1.00	19.18
ATOM	1848	N	LYS	311	71.368	81.935	65.150	1.00	18.89
ATOM	1849	CA	LYS	311	71.776	81.777	63.934	1.00	19.89
ATOM	1850	СВ	LYS	311		82.571	62.752	1.00	22.42
ATOM	1851	CG	LYS	311		82.826	61.664	1.00	23.48
MOTA	1852	CD	LYS	311		83.538	60.499	1.00	26.29
MOTA	1853	CE	LYS	311	71.067	03.556	JJ. 100	• • • •	

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			LVC	311	72.227	82.755	59.948	1.00	28.08
MOTA	1854	NZ	LYS LYS	311	71.838	83.414	65.508	1.00	18.94
MOTA	1855	C	LYS	311	72.763	84.113	65.096	1.00	20.88
ATOM	1856	0	ASN	312	70.843	83.912	66.235	1.00	17.97
ATOM	1857	N OA	ASN	312	70.849	85.319	66.611	1.00	19.27
ATOM	1858	CA	ASN	312	69.543	85.713	67.295	1.00	21.83
ATOM	1859	CB	ASN	312	68.409	85.916	66.311	1.00	28.87
ATOM	1860	CG	ASN	312	67.238	85.717	66.642	1.00	31.90
ATOM	1861	OD1	ASN	312	68.747	86.338	65.094	1.00	29.09
ATOM	1862	ND2	ASN	312	72.037	85.665	67.497	1.00	20.98
ATOM	1863	0	ASN	312	72.734	86.661	67.258	1.00	22.46
ATOM	1864	N	LEU	313	72.292	84.821	68.494	1.00	21.52
ATOM	1865	CA	LEU	313	73.399	85.032	69.420	1.00	20.77
ATOM	1866	CB	LEU	313	73.259	84.117	70.639	1.00	17.46
ATOM	1867 1868	CG	LEU	313	71.923	84.136	71.385	1.00	6.88
ATOM		CD1	LEU	313	72.126	83.569	72.760	1.00	9.49
ATOM	1869	CD2	LEU	313	71.395	85.532	71.497	1.00	3.00
ATOM	1870	C	LEU	313	74.745	84.807	68.723	1.00	22.50
ATOM	1871 1872	Ö	LEU	313	75.739	85.481	69.022	1.00	24.58
ATOM	1873	N	ILE	314	74.781	83.856	67.798	1.00	21.23
ATOM		CA	ILE	314	75.993	83.579	67.049	1.00	20.90
ATOM	1874 1875	CB	ILE	314	75.846	82.316	66.175	1.00	21.15
ATOM	1876	CG2	ILE	314	76.962	82.257	65.143	1.00	23.20
ATOM	1877	CG1	ILE	314	75.842	81.062	67.062	1.00	20.42
ATOM	1878	CD1	ILE	314	75.839	79.736	66.299	1.00	14.79
ATOM	1879	C	ILE	314	76.281	84.806	66.181	1.00	22.74
ATOM	1880	Ö	ILE	314	77.417	85.285	66.129	1.00	23.40
ATOM	1881	·N	ASP	315	75.241	85.338	65.540	1.00	22.48
ATOM	1882	CA	ASP	315	75.378	86.528	64.700	1.00	22.51
MOTA	1883	СВ	ASP	315	74.060	86.854	63.997	1.00	21.37
ATOM	1884	CG	ASP	315	73.766	85.937	62.828	1.00	20.01
ATOM ATOM	1885	OD1	ASP	315	74.687	85.252	62.339	1.00	20.88
ATOM	1886	OD2	ASP	315	72.605	85.925	62.377	1.00	17.86
ATOM	1887	c	ASP	315	75.790	87.723	65.555	1.00	23.82
ATOM	1888	Ö	ASP	315	76.536	88.585	65.104	1.00	24.06
ATOM	1889	Ň	ALA	316	75.270	87.787	66.779	1.00	23.31
ATOM	1890	CA	ALA	316	75.602	88.868	67.691	1.00	21.76
ATOM	1891	СВ	ALA	316	74.737	88.798	68.928	1.00	23.15
ATOM	1892	C	ALA	316	77.074	88.770	68.063	1.00	22.92
ATOM	1893	ō	ALA	316	77.651	89.726	68.558	1.00	24.54
ATOM	1894	Ň	GLY	317	77.658	87.587	67.881	1.00	24.30
ATOM	1895	CA	GLY	317	79.073	87.395	68.160	1.00	24.83
ATOM	1896	C	GLY	317	79.476	86.539	69.350	1.00	24.46
ATOM	1897	Ō	GLY	317	80.532	86.763	69.931	1.00	25.80
ATOM	1898	Ň	VAL	318	78.672	85.545	69.710	1.00	22.39 18.88
ATOM	1899	CA	VAL	318	79.015	84.702	70.850	1.00	16.89
ATOM	1900	СВ	VAL	318	77.820	83.880	71.330	1.00	15.19
ATOM	1901	CG1	VAL	318	76.731	84.793	71.846	1.00	
ATOM	1902	CG2	VAL	318	77.301	83.005	70.206	1.00	17.48
ATOM	1903	С	VAL	318	80.185	83.760	70.586	1.00	18.75
ATOM	1904	Ō	VAL	318	80.346	83.231	69.483	1.00	18.57 17.81
ATOM	1905	N	ASP	319	80.996	83.551	71.617	1.00	
ATOM	1906	CA	ASP	319	82.148	82.665	71.529	1.00	16.90
ATOM	1907	СВ	ASP	319	83.286	83.188	72.406	1.00	20.18
ATOM	1908	CG	ASP	319	83.865	84.483	71.895	1.00	21.11
ATOM	1909	OD1	ASP	319		84.475	70.797	1.00	24.71
ATOM	1910	OD2		319		85.508	72.594	1.00	21.10
ATOM	1911	C	ASP	319	81.802	81.242	71.951	1.00	14.69
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		_	400	240	82.640	80.353	71.870	1.00	16.26
ATOM	1912	0	ASP	319 320	80.593	81.055	72.464	1.00	11.91
ATOM	1913	N	ALA	320	80.102	79.758	72.914	1.00	7.79
ATOM	1914	CA	ALA	320	80.830	79.315	74.163	1.00	3.09
ATOM	1915	СВ	ALA	320	78.632	79.953	73.218	1.00	8.10
MOTA	1916	C	ALA	320	78.165	81.092	73.284	1.00	9.40
ATOM	1917	0	ALA	320	77.900	78.856	73.404	1.00	8.90
ATOM	1918	N	LEU	321	76.467	78.917	73.713	1.00	6.89
ATOM	1919	CA	LEU	321	75.645	78.427	72.529	1.00	2.00
ATOM	1920	СВ	LEU	321	75.538	79.283	71.268	1.00	2.00
ATOM	1921	CG	LEU	321	75.062	78.394	70.158	1.00	4.37
ATOM	1922	CD1	LEU	321	74.589	80.461	71.444	1.00	2.00
ATOM	1923	CD2	LEU	321	76.121	78.088	74.947	1.00	8.16
ATOM	1924	C	LEU	321	76.665	77.008	75.144	1.00	10.39
ATOM	1925	0 N	ARG	322	75.258	78.618	75.804	. 1.00	7.97
ATOM	1926 1927	CA	ARG	322	74.836	77.907	77.001	1.00	7.47
ATOM	1927	CB	ARG	322	74.697	78.883	78.168	1.00	9.30
ATOM	1929	CG	ARG	322	74.550	78.234	79.535	1.00	15.10
ATOM	1929	CD	ARG	322	74.657	79.288	80.642	1.00	18.83
ATOM	1931	NE	ARG	322	74.309	78.765	81.965	1.00	18.29
ATOM ATOM	1932	CZ	ARG	322	73.750	79.488	82.932	1.00	17.03
	1933	NH1	ARG	322	73.483	80.771	82.740	1.00	18.79
ATOM ATOM	1934	NH2	ARG	322	73.411	78.921	84.078	1.00	16.70
ATOM	1935	C	ARG	322	73.486	77.329	76.602	1.00	8.75
ATOM	1936	ŏ	ARG	322	72.535	78.071	76.373	1.00	10.16
ATOM	1937	Ň	VAL	323	73.424	76.012	76.455	1.00	8.83
ATOM	1938	CA	VAL	323	72.209	75.346	76.023	1.00	10.03
ATOM	1939	СВ	VAL	323	72.523	74.365	74.871	1.00	9.77
ATOM	1940	CG1	VAL	323	71.306	73.549	74.507	1.00	16.85
ATOM	1941	CG2	VAL	323	72.993	75.137	73.653	1.00	7.40
ATOM	1942	C	VAL	323	71.473	74.633	77.153	1.00	13.18
ATOM	1943	Ō	VAL	323	72.053	73.803	77.853	1.00	15.89
ATOM	1944	N	GLY	324	70.196	74.969	77.327	1.00	12.40
ATOM	1945	CA	GLY	324	69.392	74.347	78.362	1.00	13.80
ATOM	1946	С	GLY	324	68.211	75.201	78.791	1.00	14.53
ATOM	1947	0	GLY	324	68.367	76.397	78.997	1.00	17.39 11.83
ATOM	1948	N	MET	325	67.026	74.613	78.901	1.00	
ATOM	1949	CA	MET	325	65.868	75.368	79.341	1.00	13.08 12.41
ATOM	1950	СВ	MET	325	65.201	76.124	78.186	1.00	10.52
ATOM	1951	CG	MET	325	64.150	77.118	78.678	1.00 1.00	13.36
ATOM	1952	SD	MET	325	63.227	78.025	77.440	1.00	7.16
ATOM	1953	CE	MET	325	62.495	79.307	78.488 80.130	1.00	15.26
ATOM	1954	С	MET	325	64.829	74.561		1.00	15.50
ATOM	1955	0	MET	325	64.051	73.781	79.563 81.447	1.00	15.85
ATOM	1956	N	GLY	326	64.848	74.751	82.323	1.00	17.08
ATOM	1957	CA	GLY	326	63.899	74.093	82.677	1.00	18.22
ATOM	1958	C	GLY	326	64.165	72.651 71.957	83.148	1.00	18.82
ATOM	1959	0	GLY	326	63.270	72.206	82.515	1.00	20.56
MOTA	1960	N	CYS	327	65.401	70.823	82.821	1.00	22.33
ATOM	1961	CA	CYS	327	65.746	70.023	81.622	1.00	20.50
ATOM	1962	CB	CYS	327	66.443 67.878	71.121	81.089	1.00	21.45
ATOM	1963	SG	CYS	327	66.633	70.710	84.061	1.00	24.86
ATOM	1964	C	CYS	327 327	66.992	69.597	84.487	1.00	26.55
ATOM	1965	0	CYS	328	67.007	71.859	84.619	1.00	23.64
ATOM	1966	N T	GLY	328	67.846	71.867	85.802	1.00	23.90
ATOM	1967	CA	GLY GLY	328	67.066	71.347	86.988	1.00	23.07
ATOM	1968	C O	GLY	328	65.913	71.735	87.168	1.00	23.22
ATOM	1969	J	GLI	320	QU.910	, ,,, 00			

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ATOM	1970	N	SER	329	67.706	70.528	87.822	1.00 1.00	22.19
ATOM	1971	CA	SER	329	67.077	69.925	89.000	1.00	19.55
ATOM	1972	СВ	SER	329	68.150	69.406	89.964	1.00	23.14
ATOM	1973	OG	SER	329	69.028	70.440	90.356	1.00	23.14
ATOM	1974	С	SER	329	66.077	70.812	89.747		25.72
ATOM	1975	Ō	SER	329	64.978	70.362	90.065	1.00	
ATOM	1976	Ň	ILE	330	66.444	72.070	89.992	1.00	22.81
ATOM	1977	CA	ILE	330	65.584	73.024	90.700	1.00	19.85
ATOM	1978	СВ	ILE	330	66.410	74.017	91.589	1.00	15.67
ATOM	1979	CG2	ILE	330	66.509	73.500	93.001	1.00	18.25
ATOM	1980	CG1	ILE	330	67.795	74.289	90.994	1.00	7.11
ATOM	1981	CD1	ILE	330	67.776	74.921	89.639	1.00	5.46
ATOM	1982	C	ILE	330	64.703	73.869	89.786	1.00	20.60
ATOM	1983	ŏ	ILE	330	64.225	74.923	90.201	1.00	23.53
	1984	Ň	IMP	331	64.425	73.400	88.579	1.00	19.32
MOTA	1985	CA	IMP	331	63.641	74.206	87.649	1.00	20.33
ATOM ATOM	1986	C	IMP	331	62.148	73.909	87.498	1.00	21.39
	1987	Õ	IMP	331	61.737	72.757	87.342	1.00	22.62
MOTA MOTA	1988	СВ	IMP	331	64.310	74.200	86.277	1.00	19.26
	1989	SG	IMP	331	64.038	75.775	85.516	1.00	16.83
ATOM	1990	P	IMP	331	71.205	71.206	87.339	1.00	24.40
ATOM	1991	O1P	IMP	331	70.381	70.028	86.885	1.00	22.40
ATOM ATOM	1992	02P	IMP	331	72.615	71.144	86.864	1.00	18.66
	1993	O3P	IMP	331	71.172	71.333	88.803	1.00	19.75
ATOM	1994	O5*	IMP	331	70.688	72.534	86.798	1.00	22.96
ATOM ATOM	1995	C5*	IMP	331	71.500	73.726	87.024	1.00	14.95
ATOM	1996	C4*	IMP	331	71.156	74.601	85.831	1.00	11.32
ATOM	1997	04*	IMP	331	69.758	74.898	85.861	1.00	12.20
ATOM	1998	C3*	IMP	331	71.865	75.962	85.934	1.00	12.62
ATOM	1999	O3*	IMP	331	73.078	76.011	85.208	1.00	10.24
ATOM	2000	C2*	IMP	331	70.883	76.903	85.210	1.00	13.74
ATOM	2001	02*	IMP	331	70.752	76.706	83.816	1.00	11.66
ATOM	2002	C1*	IMP	331	69.602	76.308	85.761	1.00	14.52
ATOM	2003	N9	IMP	331	68.832	77.205	86.612	1.00	18.13
ATOM	2004	C8	IMP	331	69.321	78.030	87.599	1.00	18.02 16.06
ATOM	2005	N7	IMP	331	68.331	78.568	88.322	1.00	19.77
ATOM	2006	C5	IMP	331	67.170	78.093	87.806	1.00	22.26
ATOM	2007	C6	IMP	331	65.799	78.289	88.156	1.00	17.37
ATOM	2008	06	IMP	331	65.412	78.995	89.085	1.00	
ATOM	2009	N1	IMP	331	64.941	77.579	87.374	1.00	25.96 23.29
ATOM	2010	C2	IMP	331	65.296	76.706	86.299	1.00	24.20
ATOM	2011	N3	IMP	331	66.567	76.524	85.957	1.00	21.15
ATOM	2012	C4	IMP	331	67.498	77.200	86.693	1.00	19.04
ATOM	2013	N	ILE	332	61.333	74.959	87.564	1.00 1.00	18.02
ATOM	2014	CA	ILE	332	59.899	74.811	87.391		16.99
ATOM	2015	CB	ILE	332	59.071	75.097	88.696	1.00 1.00	12.90
ATOM	2016	CG2	ILE	332	59.423	74.093	89.793	1.00	14.79
ATOM	2017	CG1	ILE	332	59.283	76.525	89.191	1.00	8.04
ATOM	2018	CD1	ILE	332	58.212	77.005	90.159	1.00	20.21
ATOM	2019	С	ILE	332	59.401	75.675	86.226	1.00	21.52
ATOM	2020	0	ILE	332	58.195	75.848	86.050	1.00	20.15
ATOM	2021	Ν	THR	333	60.330	76.195	85.420	1.00	19.79
ATOM	2022	CA	THR	333	59.993	77.020	84.251	1.00	20.47
ATOM	2023	CB	THR	333	61.287	77.491	83.467	1.00	18.21
ATOM	2024	OG1	THR	333	61.948	78.537	84.191	1.00	16.88
ATOM	2025	CG2	THR	333	60.949	77.996	82.058	1.00	18.99
ATOM	2026	С	THR	333		76.275	83.281	1.00	19.34
ATOM	2027	0	THR	333	58.124	76.861	82.737	1.00	13.54

									40.00
ATOM	2028	N	GLN	334	59.308	74.988	83.0 63	1.00	16.88
		CA	GLN	334	58.469	74.229	82.150	1.00	16.64
ATOM	2029				59.077	72.850	81.863	1.00	15.49
ATOM	2030	CB	GLN	334				1.00	16.53
ATOM	2031	CG	GLN	334	60.004	72.864	80.658		
ATOM	2032	CD	GLN	334	60.874	71.628	80.536	1.00	18.34
	2033	OE1	GLN	334	62.091	71.729	80.344	1.00	16.42
ATOM				334	60.257	70.461	80.604	1.00	20.90
ATOM	2034	NE2	GLN				82.667	1.00	16.88
ATOM	2035	С	GLN	334	57.046	74.122			
ATOM	2036	0	GLN	334	56.091	74.293	81.916	1.00	15.78
ATOM	2037	Ň	GLU	335	56.910	73.919	83.971	1.00	19.92
				335	55.596	73.795	84.583	1.00	21.69
ATOM	2038	CA	GLU			73.203	85.987	1.00	25.79
ATOM	2039	CB	GLU	335	55.699				
ATOM	2040	CG	GLU	335	56.398	71.865	86.047	1.00	32.28
ATOM	2041	CD	GLU	335	57.745	71.971	86.700	1.00	37.56
		OE1	GLU	335	58.715	72.312	85.988	1.00	35.47
ATOM	2042				57.826	71.736	87.930	1.00	40.35
ATOM	2043	OE2	GLU	335					
ATOM	2044	С	GLU	335	54.878	75.123	84.675	1.00	20.91
ATOM	2045	0	GLU	335	53.680	75.192	84.440	1.00	23.86
	2046	Ň	VAL	336	55.608	76.176	85.022	1.00	20.29
ATOM					55.003	77.488	85.167	1.00	18.99
ATOM	2047	CA	VAL	336				1.00	19.44
ATOM	2048	СВ	VAL	336	55.776	78.368	86.175		
ATOM	2049	CG1	VAL	336	55.043	79.675	86.381	1.00	23.03
ATOM	2050	CG2	VAL	336	55.922	77.651	87.510	1.00	16.34
				336	54.822	78.232	83.851	1.00	16.99
ATOM	2051	C	VAL				83.595	1.00	17.91
ATOM	2052	0	VAL	336	53.752	78.764			
ATOM	2053	N	LEU	337	55.837	78.239	82.997	1.00	14.89
ATOM	2054	CA	LEU	337	55.720	78.960	81.732	1.00	15.59
	2055	СВ	LEU	337	56.918	79.902	81.534	1.00	14.85
ATOM					57.263	80.856	82.688	1.00	13.73
ATOM	2056	CG	LEU	337				1.00	14.07
ATOM	2057	CDi	LEU	337	58.394	81.763	82.271		
ATOM	2058	CD2	LEU	337	56.062	81.687	83.108	1.00	13.59
ATOM	2059	С	LEU	337	55.468	78.133	80.467	1.00	14.97
	2060	ŏ	LEU	337	55.399	78.690	79.371	1.00	16.68
ATOM					55.386	76.812	80.599	1.00	12.41
ATOM	2061	N	ALA	338					12.62
ATOM	2062	CA	ALA	338	55.109	75.933	79.456	1.00	
ATOM	2063	CB	ALA	338	53.732	76.248	78.887	1.00	13.39
ATOM	2064	С	ALA	338	56.151	75.975	78.341	1.00	12.44
		Ö	ALA	338	55.996	75.339	77.289	1.00	9.63
ATOM	2065					76.644	78.613	1.00	13.50
ATOM	2066	N	CYS	339	57.258				15.19
ATOM	2067	CA	CYS	339	58.298	76.791	77.622	1.00	
ATOM	2068	СВ	CYS	339	58.576	78.271	77.418	1.00	15.68
ATOM	2069	SG	CYS	339	59.263	78.657	75.830	1.00	27.20
			CYS	339	59.558	76.077	78.057	1.00	16.02
ATOM	2070	C						1.00	17.04
ATOM	2071	0	CYS	339	59.891	76.073	79.247		
ATOM	2072	N	GLY	340	60.249	75.480	77.086	1.00	14.98
ATOM	2073	CA	GLY	340	61.480	74.759	77.355	1.00	11.03
ATOM	2074	C	GLY	340	61.656	73.698	76.292	1.00	10.00
							75.267	1.00	9.29
ATOM	2075	0	GLY	340	60.972	73.741			
ATOM	2076	N	ARG	341	62.555	72.746	76.530	1.00	8.77
ATOM	2077	CA	ARG	341	62.802	71.656	75.581	1.00	8.44
ATOM	2078	СВ	ARG	341	63.596	72.172	74.375	1.00	10.17
	2079	CG	ARG	341	63.945	71.097	73.365	1.00	7.40
ATOM							73.303	1.00	6.94
ATOM	2080	CD	ARG	341	64.551	71.665			
ATOM	2081	NE	ARG	341	64.227	70.798	70.969	1.00	5.84
ATOM	2082	CZ	ARG	341	64.577	71.034	69.712	1.00	2.98
ATOM	2083	NH1	ARG	341	65.284	72.104	69.402	1.00	5.13
	2084	NH2	ARG	341	64.143	70.240	68.750	1.00	5.18
ATOM						70.514	76.250	1.00	9.48
ATOM	2085	С	ARG	341	63.572	70.514	10.230	1.00	5.70

		_	ADC.	341	64.384	70.756	77.140	1.00	10.70
MOTA	2086	0	ARG	342	63.259	69.246	75.900	1.00	8.96
MOTA	2087	N	PRO	342	62.112	68.810	75.086	1.00	6.87
ATOM	2088	CD	PRO	342	63.951	68.085	76.480	1.00	6.48
ATOM	2089	CA	PRO	342	63.284	66.923	75.775	1.00	10.15
MOTA	2090	СВ	PRO	342	61.877	67.426	75.596	1.00	7.34
ATOM	2091	CG	PRO	342	65.446	68.168	76.164	1.00	8.19
MOTA	2092	С	PRO	342	65.847	68.263	75.002	1.00	9.62
ATOM	2093	0	PRO	343	66.267	68.096	77.206	1.00	9.33
ATOM	2094	N	GLN	343	67.706	68.262	77.080	1.00	10.57
ATOM	2095	CA	GLN	343	68.385	68.138	78.440	1.00	11.05
ATOM	2096	CB	GLN GLN	343	69.766	68.799	78.495	1.00	10.72
ATOM	2097	CG	GLN	343	69.749	70.264	78.090	1.00	16.93
ATOM	2098	CD	GLN	343	70.788	70.855	77.816	1.00	20.72
ATOM	2099	OE1	GLN	343	68.571	70.865	78.082	1.00	20.86
ATOM	2100	NE2	GLN	343	68.502	67.524	76.021	1.00	13.27
ATOM	2101	C	GLN	343	69.166	68.160	75.202	1.00	15.52
ATOM	2102	0	ALA	344	68.473	66.198	76.033	1.00	14.40
ATOM	2103	N	ALA	344	69.240	65.440	75.051	1.00	14.17
ATOM	2104	CA	ALA	344	68.883	63.966	75.124	1.00	15.46
ATOM	2105	СВ	ALA	344	69.011	65.983	73.643	1.00	14.10
ATOM	2106	C	ALA	344	69.960	66.198	72.891	1.00	14.21
ATOM	2107	0 N	THR	345	67.756	66.286	73.325	1.00	14.96
ATOM	2108	CA	THR	345	67.413	66.801	72.008	1.00	13.41
ATOM	2109	CB	THR	345	65.905	66.759	71.748	1.00	13.07
ATOM	2110	OG1	THR	345	65.427	65.419	71.914	1.00	18.26
ATOM	2111	CG2	THR	345	65.608	67.217	70.336	1.00	15.37
ATOM	2112	C	THR	345	67.921	68.218	71.831	1.00	12.88
ATOM	2113	Ö	THR	345	68.411	68.565	70.754	1.00	14.21
ATOM	2114	N	ALA	346	67.811	69.033	72.880	1.00	11.75
ATOM	2115	CA	ALA	346	68.286	70.418	72.817	1.00	9.99
ATOM	2116 2117	CB	ALA	346	68.032	71.126	74.126	1.00	6.11
ATOM	2118	C	ALA	346	69.776	70.435	72.495	1.00	9.20
ATOM	2119	Ö	ALA	346	70.218	71.139	71.600	1.00	11.48
ATOM	2120	N	VAL	347	70.533	69.590	73.178	1.00	9.88
ATOM	2121	CA	VAL	347	71.969	69.515	72.975	1.00	11.35
MOTA	2122	CB	VAL	347	72.623	68.574	73.997	1.00	12.64
MOTA	2123	CG1	VAL	347	74.106	68.431	73.701	1.00	12.61
MOTA	2124	CG2	VAL	347	72.405	69.110	75.406	1.00	12.53
ATOM ATOM	2125	C	VAL	347	72.372	69.091	71.571	1.00	12.67
ATOM	2126	ŏ	VAL	347	73.259	69.716	70.974	1.00	13.58
ATOM	2127	Ň	TYR	348	71.738	68.044	71.042	1.00	11.86
ATOM	2128	CA	TYR	348	72.071	67.559	69.707	1.00	9.76
ATOM	2129	СВ	TYR	348	71.371	66.235	69.408	1.00	9.26
ATOM	2130	CG	TYR	348	71.466	65.839	67.953	1.00	10.84
ATOM	2131	CD1	TYR	348	72.667	65.377	67.408	1.00	13.49
ATOM	2132	CE1	TYR	348	72.776	65.071	66.042	1.00	14.55
ATOM	2133	CD2	TYR	348	70.374	65.981	67.105	1.00	10.80
ATOM	2134	CE2	TYR	348	70.469	65.682	65.748	1.00	12.01
ATOM	2135	CZ	TYR	348	71.669	65.229	65.220	1.00	14.93
ATOM	2136	ОН	TYR	348	71.751	64.947	63.872	1.00	15.11
ATOM	2137	C	TYR	348	71.735	68.567	68.620	1.00	12.81
ATOM	2138	ŏ	TYR	348	72.572	68.878	67.777	1.00	14.63
ATOM	2139	Ň	LYS	349	70.508	69.076	68.630	1.00	13.27
ATOM	2140	CA	LYS	349	70.081	70.043	67.622	1.00	14.33
ATOM	2141	СВ	LYS	349	68.596	70.349	67.792	1.00	16.10
ATOM	2142	CG	LYS	349	67.689	69.177	67.466	1.00	19.74
ATOM	2143	CD	LYS	349		68.886	65.974	1.00	25.23
A I OIN									

						07.705	65 636	1.00	32.56
ATOM	2144	CE	LYS	349	66.783	67.735	65.626		40.46
ATOM	2145	NZ	LYS	349	65.343	68.000	65.941	1.00	15.33
ATOM	2146	С	LYS	349	70.877	71.352	67.537	1.00	
ATOM	2147	0	LYS	349	71.183	71.821	66.440	1.00	17.10
ATOM	2148	N	VAL	350	71.206	71.953	68.676	1.00	15.15
ATOM	2149	CA	VAL	350	71.937	73.214	68.662	1.00	14.07
	2150	СВ	VAL	350	71.794	73.992	69.989	1.00	14.19
ATOM	2151	CG1	VAL	350	72.362	75.386	69.838	1.00	11.97
ATOM	2152	CG2	VAL	350	70.337	74.078	70.392	1.00	17.18
ATOM		C	VAL	350	73.406	73.019	68.349	1.00	16.29
ATOM	2153	0	VAL	350	73.995	73.838	67.645	1.00	18.00
ATOM	2154	N	SER	351	74.006	71.958	68.886	1.00	16.00
ATOM	2155		SER	351	75.418	71.663	68.637	1.00	12.71
ATOM	2156	CA	SER	351	75.882	70.505	69.517	1.00	11.95
ATOM	2157	CB	SER	351	75.765	70.816	70.894	1.00	11.62
ATOM	2158	OG		351	75.636	71.308	67.168	1.00	12.57
ATOM	2159	С	SER		76.627	71.708	66.558	1.00	12.81
ATOM	2160	0	SER	351	74.698	70.556	66.606	1.00	13.06
ATOM	2161	N.	GLU	352		70.350	65.219	1.00	12.95
ATOM	2162	CA	GLU	352	74.770		64.887	1.00	14.63
ATOM	2163	CB	GLU	352	73.565	69.292	63.728	1.00	24.19
ATOM	2164	CG	GLU	352	73.753	68.340	62.393	1.00	31.22
ATOM	2165	CD	GLU	352	73.820	69.039		1.00	41.17
ATOM	2166	OE1	GLU	352	73.003	69.956	62.165		31.62
ATOM	2167	OE2	GLU	352	74.688	68.677	61.569	1.00	
ATOM	2168	С	GLU	352	74.805	71.404	64.349	1.00	15.08 19.18
ATOM	2169	0	GLU	352	75.499	71.434	63.339	1.00	
ATOM	2170	N	TYR	353	74.089	72.446	64.770	1.00	15.73
ATOM	2171	CA	TYR	353	74.032	73.725	64.046	1.00	16.16
ATOM	2172	CB	TYR	353	72.735	74.473	64.395	1.00	16.64
ATOM	2173	CG	TYR	353	72.674	75.902	63.885	1.00	17.24
ATOM	2174	CD1	TYR	353	72.487	76.171	62.535	1.00	17.57
ATOM	2175	CE1	TYR	353	72.440	77.477	62.060	1.00	19.38
ATOM	2176	CD2	TYR	353	72.810	76.986	64.756	1.00	20.21
ATOM	2177	CE2	TYR	353	72.769	78.298	64.290	1.00	18.45
ATOM	2178	CZ	TYR	353	72.580	78.534	62.941	1.00	21.67
ATOM	2179	ОН	TYR	353	72.534	79.821	62.458	1.00	26.08
ATOM	2180	C	TYR	353	75.228	74.638	64.346	1.00	17.36
ATOM	2181	ŏ	TYR	353	75.930	75.099	63.438	1.00	16.84
ATOM	2182	Ň	ALA	354	75.436	74.904	65.631	1.00	16.45
	2183	CA	ALA	354	76.503	75.771	66.107	1.00	14.66
ATOM	2184	CB	ALA	354	76.450	75.861	67.626	1.00	12.08
ATOM	2185	C	ALA	354	77.881	75.327	65.649	1.00	15.93
ATOM	2186	Ö	ALA	354	78.791	76.150	65.502	1.00	17.40
ATOM		N	ARG	355	78.044	74.029	65.412	1.00	16.56
ATOM	2187		ARG	355	79.331	73.503	64.974	1.00	15.93
ATOM	2188	CA	ARG	355	79.327	71.972	64.970	1.00	12.81
ATOM	2189	CB		355 355	78.353	71.355	64.005	1.00	13.40
ATOM	2190	CG	ARG	355	78.750	69.953	63.679	1.00	10.78
ATOM	2191	CD	ARG	355	77.902	69.377	62.648	1.00	11.50
ATOM	2192	NE	ARG			68.384	61.853	1.00	15.77
ATOM	2193	CZ	ARG	355	78.284		61.977	1.00	20.37
ATOM	2194	NH1	ARG	355	79.500	67.863 67.006	60.933	1.00	13.86
ATOM	2195	NH2	ARG	355	77.459	67.906	63.594	1.00	16.63
MOTA	2196	Ç	ARG	355	79.719	74.024		1.00	18.62
MOTA	2197	0	ARG	355	80.897	74.184	63.304		17.13
ATOM	2198	N	ARG	356	78.727	74.340	62.768	1.00	18.61
ATOM	2199	CA	ARG	356	78.980	74.844	61.424	1.00	
ATOM	2200	СВ	ARG	356	77.694	74.786	60.591	1.00	20.45
ATOM	2201	CG	ARG	356	76.842	73.548	60.869	1.00	26.84

					40	70.056	59.835	1.00	35.30
ATOM	2202	CD	ARG	356	75.749	73.356			45.31
MOTA	2203	NE	ARG	356	76.289	72.781	58.600	1.00	
ATOM	2204	CZ	ARG	356	76.031	71.549	58.155	1.00	44.56
ATOM	2205	NH1	ARG	356	75.228	70.736	58.83 9	1.00	41.95
	2206	NH2	ARG	356	76.575	71.131	57.015	1.00	42.41
ATOM			ARG	356	79.518	76.277	61.478	1.00	20.86
ATOM	2207	С		356	79.804	76.885	60.446	1.00	22.43
ATOM	2208	0	ARG			76.816	62.687	1.00	21.28
ATOM	2209	N	PHE	357	79.651			1.00	19.44
ATOM	2210	CA	PHE	357	80.157	78.170	62.885		
ATOM	2211	CB	PHE	357	79.031	79.081	63.369	1.00	17.23
ATOM	2212	CG	PHE	357	77.830	79.068	62.481	1.00	17.05
ATOM	2213	CD1	PHE	357	76.836	78.119	62.654	1.00	19.73
ATOM	2214	CD2	PHE	357	77.712	79.977	61.439	1.00	18.18
ATO:	2215	CE1	PHE	357	75.744	78.073	61.805	1.00	21.80
	2216	CE2	PHE	357	76.619	79.940	60.583	1.00	19.81
ATOM			PHE	357	75.635	78.986	60.764	1.00	20.74
ATOM	2217	CZ		357 357	81.270	78.145	63.917	1.00	20.90
ATOM	2218	C	PHE			79.188	64.413	1.00	23.81
ATOM	2219	0	PHE	357	81.695			1.00	20.23
MOTA	2220	N	GLY	358	81.725	76.944	64.250		21.34
ATOM	2221	CA	GLY	358	82.782	76.794	65.230	1.00	
ATOM	2222	С	GLY	358	82.440	77.326	66.609	1.00	22.66
ATOM	2223	0	GLY	358	83.319	77.82 9	67.308	1.00	25.20
ATOM	2224	N	VAL	359	81.172	77.235	67.009	1.00	23.04
	2225	CA	VAL	359	80.771	77.720	68.324	1.00	19.49
ATOM			VAL	359	79.551	78.656	68.252	1.00	18.13
ATOM	2226	CB		359	79.241	79.201	69.620	1.00	17.64
MOTA	2227	CG1	VAL			79.803	67.306	1.00	20.63
ATOM	2228	CG2	VAL	359	79.821			1.00	17.44
ATOM	2229	С	VAL	359	80.472	76.555	69.262		18.55
ATOM	2230	0	VAL	359	79.623	75.710	68.982	1.00	
ATOM	2231	N	PRO	360	81.251	76.441	70.341	1.00	15.36
ATOM	2232	CD	PRO	360	82.498	77.197	70.545	1.00	11.72
ATOM	2233	CA	PRO	360	81.108	75.392	71.353	1.00	14.20
ATOM	2234	СВ	PRO	360	82.273	75.679	72.298	1.00	11.22
ATOM	2235	CG	PRO	360	83.302	76.259	71.388	1.00	11.79
	2236	C	PRO	360	79.774	75.498	72.096	1.00	14.81
ATOM		Ö	PRO	360	79.312	76.602	72.393	1.00	16.13
ATOM	2237			361	79.153	74.355	72.372	1.00	13.23
ATOM	2238	N	VAL			74.333	73.099	1.00	9.02
ATOM	2239	CA	VAL	361	77.892		73.362	1.00	6.35
ATOM	2240	CB	VAL	361	76.849	73.453	73.331	1.00	4.83
ATOM	2241	CG1	VAL	361	75.793	72.907			9.33
MOTA	2242	CG2	VAL	361	76.175	74.289	71.286	1.00	
ATOM	2243	С	VAL	361	78.154	73.739	74.483	1.00	11.18
ATOM	2244	0	VAL	361	78.917	72.775	74.623	1.00	12.24
ATOM	2245	N	ILE	362	77.545	74.359	75.495	1.00	10.96
ATOM	2246	CA	ILE	362	77.659	73.950	76.895	1.00	9.15
ATOM	2247	СВ	ILE	362	77.836	75.184	77.831	1.00	9.87
		CG2	ILE	362	77.850	74.769	79.294	1.00	5.57
ATOM	2248		ILE	362	79.130	75.931	77.504	1.00	14.42
ATOM	2249	CG1			79.377	77.131	78.394	1.00	14.31
ATOM	2250	CD1	ILE	362			77.263	1.00	9.83
ATOM	2251	С	ILE	362	76.345	73.283		1.00	12.05
ATOM	2252	0	ILE	362	75.318	73.949	77.305		
ATOM	2253	N	ALA	363	76.357	71.972	77.485	1.00	11.91
ATOM	2254	CA	ALA	363	75.136	71.256	77.868	1.00	11.28
ATOM	2255	СВ	ALA	363	75.319	69.763	77.724	1.00	13.29
ATOM	2256	C	ALA	363	74.880	71.623	79.314	1.00	12.59
ATOM	2257	ŏ	ALA	363	75.519	71.100	80.231	1.00	14.94
ATOM	2258	Ň	ASP	364	73.943	72.538	79.505	1.00	13.34
	2259	CA	ASP	364	73.617	73.056	80.81€	1.00	12.33
ATOM	2259		AOF	304	, 0.011				

4.7014	2260	СВ	ASP	364	73.737	74.577	80.750	1.00	11.24
ATOM	2260	CG	ASP	364	73.210	75.255	81.966	1.00	15.61
ATOM	2261		ASP	364	73.322	74.677	83.061	1.00	18.33
ATOM	2262	OD1		364	72.680	76.372	81.820	1.00	22.45
ATOM	2263	OD2	ASP	364	72.257	72.630	81.371	1.00	14.11
ATOM	2264	C	ASP		71.207	73.094	80.915	1.00	12.91
ATOM	2265	0	ASP	364		73.09 4 71.795	82.409	1.00	15.80
ATOM	2266	N	GLY	365	72.294		83.036	1.00	17.03
ATOM	2267	CA	GLY	365	71.068	71.324		1.00	17.21
ATOM	2268	С	GLY	365	70.702	69.854	82.863		16.26
ATOM	2269	0	GLY	365	70.933	69.257	81.807	1.00	
ATOM	2270	Ν	GLY	366	70.137	69.269	83.919	1.00	19.08
ATOM	2271	CA	GLY	366	69.711	67.883	83.875	1.00	20.17
ATOM	2272	С	GLY	366	70.777	66.832	84.104	1.00	21.83
ATOM	2273	0	GLY	366	70.487	65.635	84.002	1.00	22.67
ATOM	2274	Ň	ILE	367	72.009	67.253	84.384	1.00	22.88
ATOM	2275	CA	ILE	367	73.098	66.311	84.634	1.00	22.10
ATOM	2276	CB	ILE	367	74.484	66.959	84.444	1.00	20.00
	2277	CG2	ILE	367	75.596	65.980	84.841	1.00	18.29
ATOM		CG1	ILE	367	74.643	67.462	83.002	1.00	18.25
ATOM	2278		ILE	367	74.511	66.400	81.937	1.00	17.72
ATOM	2279	CD1		367 367	72.975	65.803	86.063	1.00	24.54
ATOM	2280	C	ILE		73.240	66.534	87.018	1.00	25.34
ATOM	2281	0	ILE	367		64.559	86.198	1.00	25.47
ATOM	2282	N	GLN	368	72.533		87.500	1.00	26.05
ATOM	2283	CA	GLN	368	72.352	63.929		1.00	33.00
ATOM	2284	CB	GLN	368	71.010	63.193	87.546		41.39
ATOM	2285	CG	GLN	368	69.808	63.960	87.016	1.00	
ATOM	2286	CD	GLN	368	68.650	63.034	86.645	1.00	47.49
ATOM	2287	OE1	GLN	368	68.857	61.864	86.306	1.00	50.05
ATOM	2288	NE2	GLN	368	67.435	63.566	86.664	1.00	49.52
ATOM	2289	С	GLN	368	73.462	62.923	87.807	1.00	23.20
ATOM	2290	ŏ	GLN	368	73.581	62.460	88.939	1.00	24.66
ATOM	2291	Ň	ASN	369	74.249	62.558	86.797	1.00	20.24
ATOM	2292	CA	ASN	369	75.322	61.586	86.979	1.00	17.49
	2293	CB	ASN	369	74.721	60.205	87.203	1.00	18.55
ATOM	2293 2294	CG	ASN	369	73.906	59.736	86.025	1.00	19.68
ATOM		OD1	ASN	369	73.929	60.334	84.947	1.00	20.92
ATOM	2295		ASN	369	73.182	58.654	86.217	1.00	27.57
ATOM	2296	ND2			76.269	61.537	85.781	1.00	16.13
MOTA	2297	C	ASN	369	76.26 9 76.062	62.238	84.790	1.00	16.39
ATOM	2298	0	ASN	369			85.859	1.00	15.11
ATOM	2299	N	VAL	370	77.274	60.670		1.00	14.39
ATOM	2300	CA	VAL	370	78.261	60.533	84.793	1.00	10.30
MOTA	2301	CB	VAL	370	79.396	59.566	85.179		
ATOM	2302	CG1	VAL	370	80.297	59.311	83.984	1.00	14.21
ATOM	2303	CG2	VAL	370	80.216	60.150	86.300	1.00	7.21
ATOM	2304	С	VAL	370	77.693	60.122	83.438	1.00	16.18
ATOM	2305	0	VAL	370	78.148	60.616	82.406	1.00	20.19
ATOM	2306	N	GLY	371	76.702	59.238	83.429	1.00	15.14
ATOM	2307	CA	GLY	371	76.125	58.802	82.170	1.00	12.93
ATOM	2308	C	GLY	371	75.635	59.981	81.357	1.00	14.21
ATOM	2309	Ö	GLY	371	75.845	60.052	80.144	1.00	16.14
ATOM	2310	Ň	HIS	372	74.994	60.921	82.041	1.00	14.52
			HIS	372	74.467	62.121	81.411	1.00	12.09
ATOM	2311	CA	HIS	372	73.717	62.965	82.442	1.00	13.52
ATOM	2312	CB			73.717 72.452	62.338	82.941	1.00	11.76
ATOM	2313	CG	HIS	372		62.637	84.006	1.00	9.64
ATOM	2314	CD2	HIS	372	71.675		82.301	1.00	11.22
ATOM	2315	ND1	HIS	372	71.836	61.283		1.00	11.70
ATOM	2316	CE1	HIS	372	70.730	60.964	82.950		
ATOM	2317	NE2	HIS	372	70.609	61.769	83.989	1.00	13.93

ATOM	2318	С	HIS	372	75.584	62.936	80.783	1.00	11.92
ATOM	2319	ŏ	HIS	372	75.477	63.351	79.633	1.00	13.70
ATOM	2320	Ň	ILE	373	76.664	63.150	81.529	1.00	11.48
ATOM	2321	CA	ILE	373	77.802	63.912	81.023	1.00	10.28
ATOM	2322	СВ	ILE	373	78.970	63.936	82.020	1.00	9.11
ATOM	2323	CG2	ILE	373	80.052	64.869	81.511	1.00	9.72
ATOM	2324	CG1	ILE	373	78.500	64.430	83.390	1.00	12.51
	2325	CD1	ILE	373	79.615	64.553	84.422	1.00	7.16
ATOM	2326	C.	ILE	373	78.305	63.320	79.705	1.00	11.05
ATOM ATOM	2327	Ö	ILE	373	78.401	64.023	78.696	1.00	13.77
	2328	N	ALA	374	78.578	62.019	79.709	1.00	10.10
ATOM	2329	CA	ALA	374	79.059	61.323	78.521	1.00	7.10
ATOM	2329	CB	ALA	374	79.338	59.858	78.849	1.00	6.65
ATOM	2330	СВ	ALA	374	78.077	61.436	77.354	1.00	7.00
MOTA			ALA	374	78.494	61.582	76.200	1.00	7.81
ATOM	2332	0	LYS	375	76.779	61.375	77.649	1.00	6.65
ATOM	2333	N		375 375	75.747	S1.485	76.618	1.00	7.92
ATOM	2334	CA	LYS			61.114	70.018 77.168	1.00	10.47
ATOM	2335	СВ	LYS	375 275	74.372		77.166 77.562	1.00	12.38
ATOM	2336	CG	LYS	375	74.227	59.656		1.00	9.26
ATOM	2337	CD	LYS	375	72.820	59.354	78.030 78.518		7.92
ATOM	2338	CE	LYS	375	72.730	57.927 57.566		1.00	7. 32 7.20
ATOM	2339	NZ	LYS	375	71.353	57.566	78.921	1.00	7.20 9.52
ATOM	2340	C	LYS	375	75.680	62.885	76.021	1.00	
ATOM	2341	0	LYS	375	75.457	63.036	74.825	1.00	12.41
ATOM	2342	N	ALA	376	75.847	63.911	76.850	1.00	8.56
ATOM	2343	CA	ALA	376	75.819	65.286	76.359	1.00	8.01
ATOM	2344	СВ	ALA	376	75.989	66.258	77.505	1.00	6.06
ATOM	2345	C	ALA	376	76.951	65.466	75.362	1.00	7.56
ATOM	2346	0	ALA	376	76.755	65.969	74.261	1.00	6.99
MOTA	2347	Ν	LEU	377	78.137	65.031	75.766	1.00	9.38
ATOM	2348	CA	LEU	377	79.331	65.132	74.940	1.00	11.38
ATOM	2349	CB	LEU	377	80.550	64.633	75.725	1.00	10.28
ATOM	2350	CG	LEU	377	80.816	65.413	77.016	1.00	8.99
ATOM	2351	CD1	LEU	377	81.864	64.704	77.875	1.00	8.49
ATOM	2352	CD2	LEU	377	81.221	66.847	76.678	1.00	2.00
ATOM	2353	С	LEU	377	79.168	64.354	73.644	1.00	12.35
ATOM	2354	0	LEU	377	79.457	64.862	72.566	1.00	12.88
MOTA	2355	N	ALA	378	78.660	63.132	73.755	1.00	15.20
ATOM	2356	CA	ALA	378	78.436	62.270	72.598	1.00	14.02
ATOM	2357	СВ	ALA	378	77.927	60.907	73.057	1.00	12.75
ATOM	2358	С	ALA	378	77.453	62.891	71.609	1.00	13.17
ATOM	2359	0	ALA	378	77.501	62.601	70.419	1.00	16.35
ATOM	2360	N	LEU	379	76.562	63.749	72.097	1.00	13.73
ATOM	2361	CA	LEU	379	75.567	64.376	71.236	1.00	12.58
ATOM	2362	СВ	LEU	379	74.234	64.517	71.968	1.00	11.76
ATOM	2363	CG	LEU	379	73.485	63.201	72.194	1.00	12.16
ATOM	2364	CD1	LEU	379	72.225	63.447	72.983	1.00	11.41
ATOM	2365	CD2	LEU	379	73.171	62.563	70.863	1.00	10.14
ATOM	2366	C	LEU	379	75.980	65.706	70.621	1.00	14.62
ATOM	2367	Ō	LEU	379	75.220	66.294	69.848	1.00	16.75
ATOM	2368	Ň	GLY	380	77.175	66.183	70.950	1.00	14.81
ATOM	2369	CA	GLY	380	77.636	67.427	70.371	1.00	12.86
ATOM	2370	c	GLY	380	78.128	68.502	71.325	1.00	15.25
ATOM	2371	ŏ	GLY	380	78.734	69.476	70.869	1.00	17.13
ATOM	2372	Ň	ALA	381	77.899	68.356	72.626	1.00	12.90
ATOM	2372	CA	ALA	381	78.348	69.390	73.547	1.00	12.21
ATOM	2373	CB	ALA	381	77.635	69.269	74.873	1.00	5.91
ATOM	2375	C	ALA	381	79.862	69.368	73.744	1.00	16.09
ALC:IVI	23/3	U		30 I	13.002	03 .300	10.174	1.00	10.03

							70.704	4.00	16.75
ATOM	2376	0	ALA	381	80.487	68.294	73.764	1.00	
ATOM	2377	N	SER	382	80.461	70.553	73.833	1.00	16.25
ATOM	2378	CA	SER	382	81.898	70.647	74.050	1.00	14.46
	2379	СВ	SER	382	82.464	71.911	73.394	1.00	15.52
ATOM		OG	SER	382	82.399	71.835	71.978	1.00	12.28
ATOM	2380		SER	382	82.223	70.612	75.545	1.00	12.47
MOTA	2381	C		382	83.293	70.160	75.946	1.00	12.89
ATOM	2382	0	SER		81.299	71.093	76.363	1.00	9.47
ATOM	2383	N	THR	383		71.102	77.805	1.00	9.10
ATOM	2384	CA	THR	383	81.479	71.102	78.312	1.00	9.34
ATOM	2385	СВ	THR	383	82.060		77.677	1.00	7.51
ATOM	2386	OG1	THR	383	81.386	73.555		1.00	9.52
ATOM	2387	CG2	THR	383	83.552	72.573	78.009	1.00	9.96
ATOM	2388	С	THR	383	80.122	70.814	78.452		
ATOM	2389	0	THR	383	79.100	70.808	77.768	1.00	11.79
ATOM	2390	N	VAL	384	80.112	70.554	79.755	1.00	11.42
ATOM	2391	CA	VAL	384	78.884	70.254	80.489	1.00	12.61
	2392	СВ	VAL	384	78.806	68.743	80.858	1.00	12.85
ATOM	2393	CG1	VAL	384	77.655	68.485	81.816	1.00	9.44
ATOM		CG2	VAL	384	78.617	67.906	79.597	1.00	8.74
ATOM	2394		VAL	384	78.867	71.083	81.766	1.00	13.72
ATOM	2395	C		384	79.855	71.121	82.488	1.00	16.90
ATOM	2396	0	VAL		77.743	71.737	82.042	1.00	12.85
MOTA	2397	N	MET	385		72.568	83.235	1.00	11.55
ATOM	2398	CA	MET	385	77.603		82.849	1.00	9.59
ATOM	2399	СВ	MET	385	77.037	73.941	83.997	1.00	8.37
ATOM	2400	CG	MET	385	76.925	74.933		1.00	15.71
ATOM	2401	SD	MET	385	76.483	76.589	83.443		11.94
ATOM	2402	CE	MET	385	78.077	77.210	82.918	1.00	
ATOM	2403	С	MET	385	76.682	71.874	84.232	1.00	13.51
ATOM	2404	0	MET	385	75.617	71.391	83.855	1.00	16.34
ATOM	2405	N	MET	386	77.092	71.818	85.494	1.00	13.54
ATOM	2406	CA	MET	386	76.302	71.175	86.536	1.00	12.69
ATOM	2407	СВ	MET	386	77.046	69.970	87.093	1.00	11.47
ATOM	2408	CG	MET	386	77.370	68.902	86.095	1.00	15.31
	2409	SD	MET	386	79.102	68.453	86.167	1.00	23.72
ATOM	2410	CE	MET	386	79.227	67.858	87.814	1.00	23.52
ATOM	2411	C	MET	386	75.996	72.107	87.700	1.00	14.87
ATOM		ŏ	MET	386	76.761	73.028	88.006	1.00	14.78
ATOM	2412	N	GLY	387	74.881	71.836	88.366	1.00	16.33
ATOM	2413		GLY	387	74.471	72.615	89.517	1.00	16.37
ATOM	2414	CA			74.350	71.680	90.700	1.00	17.64
ATOM	2415	C	GLY	387	74.330 75.172	71.725	91.611	1.00	18.53
ATOM	2416	0	GLY	387		70.762	90.650	1.00	18.70
ATOM	2417	N	SER	388	73.389		91.750	1.00	20.06
ATOM	2418	CA	SER	388	73.197	69.827		1.00	19.62
ATOM	2419	CB	SER	388	71.854	69.094	91.646		23.96
ATOM	2420	OG	SER	388	71.786	68.278	90.492	1.00	21.02
ATOM	2421	С	SER	388	74.324	68.822	91.904	1.00	
ATOM	2422	0	SER	388	74.641	68.418	93.024	1.00	23.46
ATOM	2423	N	LEU	389	74.967	68.452	90.804	1.00	20.62
ATOM	2424	CA	LEU	389	76.048	67.475	90.873	1.00	19.98
ATOM	2425	СВ	LEU	389	76.388	66.931	89.479	1.00	16.24
ATOM	2426	CG	LEU	389	76.903	65.485	89.459	1.00	12.91
ATOM	2427	CD1	LEU	389	75.862	64.596	90.088	1.00	9.27
	2428	CD2	LEU	389	77.207	65.012	88.053	1.00	7.57
MOTA			LEU	389	77.294	68.028	91.555	1.00	22.25
ATOM	2429	C	LEU	389	78.297	67.335	91.656	1.00	24.36
ATOM	2430	0		390	77.224	69.269	92.033	1.00	23.31
ATOM	2431	N	LEU			69.906	92.712	1.00	21.02
ATOM	2432	CA	LEU	390	78.350	70.892	91.769	1.00	17.40
ATOM	2433	СВ	LEU	390	79.049	10.032	J1.705		

	0404	CG	LEU	390	79.563	70.361	90.424	1.00	13.45
ATOM	2434		LEU	390	80.108	71.494	89.584	1.00	11.98
ATOM	2435	CD1			80.643	69.326	90.656	1.00	14.99
ATOM	2436	CD2	LEU	390			93.963	1.00	22.78
ATOM	2437	C .	LEU	390	77.886	70.651		1.00	23.75
ATOM	2438	0	LEU	390	78.640	70.796	94.922		25.73
ATOM	2439	N	ALA	391	76.624	71.066	93.965	1.00	
ATOM	2440	CA	ALA	391	76.020	71.827	95.061	1.00	27.66
ATOM	2441	CB	ALA	391	74.513	71.970	94.832	1.00	24.32
ATOM	2442	С	ALA	391	76.282	71.409	96.511	1.00	30.02
ATOM	2443	Ö	ALA	391	76.112	72.227	97.422	1.00	33.60
ATOM	2444	Ň	ALA	392	76.660	70.160	96.755	1.00	28.04
ATOM	2445	CA	ALA	392	76.897	69.748	98.136	1.00	27.13
	2446	CB	ALA	392	76.046	68.559	98.478	1.00	30.74
ATOM	2447	C	ALA	392	78.348	69.453	98.461	1.00	25.59
ATOM			ALA	392	78.643	68.723	99.410	1.00	23.24
ATOM	2448	0		393	79.256	69.969	97.649	1.00	24.15
ATOM	2449	N	THR			69.734	97.895	1.00	22.30
ATOM	2450	CA	THR	393	80.663	69.799	96.599	1.00	18.89
ATOM	2451	CB	THR	393	81.502			1.00	21.65
ATOM	2452	OG1	THR	393	81.294	71.053	95.952		15.42
ATOM	2453	CG2	THR	393	81.121	68.666	95.651	1.00	
ATOM	2454	С	THR	393	81.162	70.760	98.894	1.00	23.37
ATOM	2455	0	THR	393	80.514	71.781	99.133	1.00	23.21
ATOM	2456	N	THR	394	82.316	70.475	99.481	1.00	23.31
ATOM	2457	CA	THR	394	82.927	71.349	100.471	1.00	22.67
ATOM	2458	СВ	THR	394	84.257	70.731	100.977	1.00	25.02
ATOM	2459	OG1	THR	394	84.042	69.352	101.309	1.00	27.81
ATOM	2460	CG2	THR	394	84.761	71.462	102.215	1.00	25.38
	2461	C	THR	394	83.206	72.756	99.933	1.00	20.08
ATOM	2462	Ö	THR	394	83.028	73.743	100.636	1.00	21.25
ATOM			GLU	395	83.589	72.843	98.667	1.00	17.87
ATOM	2463	N			83.935	74.115	98.066	1.00	15.59
ATOM	2464	CA	GLU	395		73.906	96.887	1.00	18.03
ATOM	2465	СВ	GLU	395	84.879		97.255	1.00	21.45
ATOM	2466	CG	GLU	395	86.264	73.351		1.00	25.08
ATOM	2467	CD	GLU	395	86.273	71.851	97.497		
ATOM	2468	OE1	GLU	395	87.250	71.342	98.094	1.00	23.12
ATOM	2469	OE2	GLU	395	85.305	71.180	97.087	1.00	25.76
ATOM	2470	С	GLU	395	82.772	74.976	97.629	1.00	16.80
ATOM	2471	0	GLU	395	82.978	76.092	97.155	1.00	17.72
ATOM	2472	N	ALA	396	81.556	74.463	97.751	1.00	18.63
ATOM	2473	CA	ALA	396	80.373	75.226	97.353	1.00	20.65
ATOM	2474	CB	ALA	396	79.251	74.281	96.956	1.00	19.79
ATOM	2475	Ċ	ALA	396	79.926	76.131	98.496	1.00	22.38
ATOM	2476	ŏ	ALA	396	80.183	75.834	99.665	1.00	23.05
ATOM	2477	Ň	PRO	397	79.301	77.279	98.171	1.00	23.70
	2478	CD	PRO	397	79.085	77.782	96.806	1.00	24.23
ATOM		CA	PRO	397	78.809	78.250	99.152	1.00	25.59
ATOM	2479			397	78.129	79.296	98.275	1.00	23.05
ATOM	2480	CB	PRO			79.255	97.029	1.00	22.14
ATOM	2481	CG	PRO	397	78.922		100.133	1.00	28.01
ATOM	2482	C	PRO	397	77.811	77.637			28.32
ATOM	2483	0	PRO	397	77.055	76.741	99.780	1.00	
ATOM	2484	N	GLY	398	77.822	78.119	101.368	1.00	30.41
ATOM	2485	CA	GLY	398	76.901	77.610	102.362	1.00	32.35
ATOM	2486	С	GLY	398	77.536	76.719	103.406	1.00	35.07
ATOM	2487	0	GLY	398	78.644	76.208	103.233	1.00	34.69
ATOM	2488	N	GLU	399	76.820	76.556	104.512	1.00	37.44
ATOM	2489	CA	GLU	399	77.259	75.728	105.628	1.00	38.51
ATOM	2490	СВ	GLU	399	77.005	76.480	106.944	1.00	44.33
ATOM	2491	ÇĞ	GLU	399	77.219	75.665	108.222	1.00	55.44
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ATOM	2492	CD	GLU	399	75.930	75.413	109.025	1.00	65.22
ATOM	2493	OE1	GLU	399	76.015	74.743	110.082	1.00	67.57
ATOM	2494	OE2	GLU	399	74.837	75.871	108.610	1.00	69.24
			GLU	399	76.488	74.407	105.603	1.00	36.40
ATOM	2495	C							
ATOM	2496	0	GLU	399	75.347	74.359	105.136	1.00	36.14
ATOM	2497	N	TYR	400	77.128	73.334	106.055	1.00	33.94
ATOM	2498	CA	TYR	400	76.491	72.025	106.101	1.00	32.40
ATOM	2499	СВ	TYR	400	77.538	70.920	106.223	1.00	30.68
ATOM	2500	CG	TYR	400	78.226	70.564	104.938	1.00	29.71
ATOM	2501	CD1	TYR	400	77.633	69.688	104.026	1.00	28.20
ATOM	2502	CE1	TYR	400	78.274	69.344	102.845	1.00	26.95
ATOM	2503	CD2	TYR	400	79.477	71.089	104.632	1.00	28.87
ATOM	2504	CE2	TYR	400	80.128	70.749	103.453	1.00	27.69
ATOM	2505	CZ	TYR	400	79.523	69.882	102.565	1.00	25.06
ATOM	2506	ОН	TYR	400	80.169	69.554	101.403	1.00	21.76
	2507		TYR	400	75.604	71.938	107.322	1.00	32.61
ATOM		C							
ATOM	2508	0	TYR	400	75.895	72.543	108.347	1.00	35.88
ATOM	2509	N	PHE	401	74.542	71.160	107.235	1.00	30.97
ATOM	2510	CA	PHE	401	73.670	70.985	108.376	1.00	31.87
ATOM	2511	СВ	PHE	401	72.514	71.999	108.356	1.00	31.10
ATOM	2512	CG	PHE	401	71.644	71.914	107.133	1.00	29.98
ATOM	2513	CD1	PHE	401	72.023	72.543	105.950	1.00	27.03
ATOM	2514	CD2	PHE	401	70.457	71.178	107.154	1.00	25.56
ATOM	2515	CE1	PHE	401	71.238	72.438	104.806	1.00	25.34
ATOM	2516	CE2	PHE	401	69.666	71.066	106.015	1.00	23.68
ATOM	2517	CZ	PHE	401	70.057	71.697	104.838	1.00	25.95
ATOM	2518	С	PHE	401	73.180	69.549	108.327	1.00	33.08
ATOM	2519	0	PHE	401	73.597	68.779	107.465	1.00	32.13
ATOM	2520	N	PHE	402	72.318	69.171	109.258	1.00	35.69
ATOM	2521	CA	PHE	402	71.811	67.810	109.279	1.00	37.42
ATOM	2522	СВ	PHE	402	72.456	67.030	110.429	1.00	35.41
ATOM	2523	CG	PHE	402	73.949	66.901		1.00	32.99
							110.322		
ATOM	2524	CD1	PHE	402	74.525	65.726	109.847	1.00	33.35
ATOM	2525	CD2	PHE	402	74.781	67.954	110.689	1.00	33.30
ATOM	2526	CE1	PHE	402	75.916	65.603	109.737	1.00	31.57
ATOM	2527	CE2	PHE	402	76.167	67.844	110.584	1.00	31.22
ATOM	2528	CZ	PHE	402	76.734	66.665	110.106	1.00	32.49
ATOM	2529	С	PHE	402	70.291	67.770	109.418	1.00	40.49
ATOM	2530	0	PHE	402	69.680	68.689	109.973	1.00	41.28
ATOM	2531	Ň	SER	403	69.689	66.726	108.862	1.00	43.51
ATOM	2532	CA	SER	403	68.252				
						66.525	108.949	1.00	47.93
ATOM	2533	СВ	SER	403	67.617	66.581	107.560	1.00	49.52
ATOM	2534	OG	SER	403	68.245	65.660	106.683	1.00	54.86
ATOM	2535	С	SER	403	68.053	65.154	109.607	1.00	51.47
ATOM	2536	0	SER	403	68.366	64.987	110.789	1.00	53.15
ATOM	2537	N	ASP	404	67.597	64.162	108.847	1.00	52.88
ATOM	2538	CA	ASP	404	67.393	62.821	109.395	1.00	54.43
ATOM	2539	СВ	ASP	404	66.354	62.034	108.570	1.00	59.65
ATOM	2540	CG	ASP	404	66.498	62.238			
							107.056	1.00	64.80
ATOM	2541	OD1	ASP	404	65.472	62.112	106.348	1.00	66.65
ATOM	2542	OD2	ASP	404	67.617	62.520	106.569	1.00	67.01
ATOM	2543	С	ASP	404	68.727	62.080	109.468	1.00	53.52
ATOM	2544	0	ASP	404	68.899	61.003	108.893	1.00	54.08
ATOM	2545	N	GLY	405	69.673	62.674	110.186	1.00	52.57
ATOM	2546	CA	GLY	405	70.989	62.080	110.314	1.00	51.71
ATOM	2547	C	GLY	405	71.745	62.165	109.004	1.00	50.71
ATOM	2548	ŏ	GLY	405	72.761	61.494	108.817	1.00	51.94
ATOM	2549	N	ILE	406	71.254	63.006	108.101	1.00	
7.1 ON	2073	14		700	11.254	03.000	100.101	1.00	49.32

				400	74 070	60.485	106.797	1.00	46.50
ATOM	2550	CA	ILE	406	71.873	63.185			
ATOM	2551	СВ	ILE	406	70.868	62.860	105.670	1.00	45.63
ATOM	2552	CG2	ILE	406	71.409	63.303	104.321	1.00	45.90
ATOM	2553	CG1	ILE	406	70.585	61.353	105.677	1.00	47.65
ATOM	2554	CD1	ILE	406	69.620	60.887	104.620	1.00	51.01
	2555	c.	ILE	406	72.443	64.592	106.648	1.00	44.89
ATOM				406	71.744	65.588	106.886	1.00	45.23
ATOM	2556	0	ILE				106.306	1.00	42.16
ATOM	2557	N	ARG	407	73.727	64.662			
ATOM	2558	CA	ARG	407	74.403	65.939	106.137	1.00	39.23
ATOM	2559	CB	ARG	407	75.918	65.756	106.126	1.00	38.21
ATOM	2560	CG	ARG	407	76.668	67.017	106.504	1.00	36.68
ATOM	2561	CD	ARG	407	78.142	66.747	106.691	1.00	38.88
ATOM	2562	NE	ARG	407	78.743	67.742	107.571	1.00	41.10
	2563	CZ	ARG	407	79.902	68.347	107.343	1.00	40.51
ATOM				407	80.604	68.063	106.255	1.00	36.09
ATOM	2564	NH1	ARG			69.258	108.198	1.00	40.72
ATOM	2565	NH2	ARG	407	80.346			1.00	37.51
ATOM	2566	С	ARG	407	73.944	66.546	104.831		
ATOM	2567	0	ARG	407	73.902	65.867	103.805	1.00	39.48
ATOM	2568	N	LEU	408	73.601	67.824	104.868	1.00	34.38
ATOM	2569	CA	LEU	408	73.115	68.504	103.683	1.00	31.16
ATOM	2570	СВ	LEU	408	71.588	68.562	103.724	1.00	24.97
ATOM	2571	CG	LEU	408	70.844	67.249	103.927	1.00	20.15
	2572	CD1	LEU	408	69.476	67.526	104.499	1.00	19.69
ATOM					70.784	66.473	102.631	1.00	14.81
ATOM	2573	CD2	LEU	408				1.00	31.84
ATOM	2574	С	LEU	408	73.656	69.921	103.581		
ATOM	2575	0	LEU	408	74.160	70.493	104.551	1.00	33.47
ATOM	2576	N	LYS	409	73.548	70.470	102.381	1.00	30.46
ATOM	2577	CA	LYS	409	73.967	71.827	102.091	1.00	27.79
ATOM	2578	CR	LYS	409	75.332	71.834	101.402	1.00	27.10
ATOM	2579	CG	LYS	409	75.988	73.200	101.349	1.00	26.08
ATOM	2580	CD	LYS	409	77.168	73.220	100.398	1.00	26.04
		CE	LYS	409	78.425	72.632	100.998	1.00	25.41
ATOM	2581					73.542	101.965	1.00	24.68
ATOM	2582	NZ	LYS	409	79.076				26.84
ATOM	2583	С	LYS	409	72.878	72.320	101.142	1.00	
ATOM	2584	0	LYS	409	72.376	71.562	100.311	1.00	26.63
ATOM	2585	N	LYS	410	72.495	73.577	101.285	1.00	26.58
ATOM	2586	CA	LYS	410	71.452	74.169	100.468	1.00	27.15
ATOM	2587	СВ	LYS	410	71.132	75.568	100.993	1.00	31.97
ATOM	2588	CG	LYS	410	70.054	75.605	102.062	1.00	40.07
ATOM	2589	CD	LYS	410	68.680	75.378	101.442	1.00	46.67
	2590	CE	LYS	410	68.389	76.403	100.339	1.00	47.01
ATOM					67.072	76.159	99.700	1.00	43.19
ATOM	2591	NZ	LYS	410				1.00	25.29
ATOM	2592	C	LYS	410	71.758	74.260	98.980		
ATOM	2593	0	LYS	410	72.895	74.479	98.576	1.00	25.69
ATOM	2594	N	TYR	411	70.725	74.071	98.174	1.00	22.53
ATOM	2595	CA	TYR	411	70.830	74.192	96.735	1.00	19.58
ATOM	2596	CB	TYR	411	71.035	72.840	96.051	1.00	16.64
ATOM	2597	CG	TYR	411	71.132	72.979	94.546	1.00	18.10
ATOM	2598	CD1	TYR	411	71.895	74.000	93.974	1.00	18.77
ATOM	2599	CE1	TYR	411	71.929	74.196	92.605	1.00	19.48
				411	70.409	74.130	93.693	1.00	17.87
ATOM	2600	CD2	TYR					1.00	
ATOM	2601	CE2	TYR	411	70.439	72.334	92.310		17.72
ATOM .	2602	CZ	TYR	411	71.199	73.367	91.774	1.00	19.31
ATOM	2603	ОН	TYR	411	71.210	73.599	90.412	1.00	22.34
ATOM	2604	С	TYR	411	69.510	74.820	96.295	1.00	20.78
ATOM	2605	0	TYR	411	68.432	74.278	96.570	1.00	20.50
ATOM	2606	Ň	ARG	412	69.582	75.968	95.631	1.00	19.85
ATOM	2607	CA	ARG	412	68.368	76.641	95.199	1.00	18.82
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4.7014	2608	СВ	ARG	412	67.992	77.750	96.187	1.00	16.10
ATOM	2608			412	68.919	78.944	96.139	1.00	13.54
ATOM	2609	CG	ARG		68.454	80.049	97.034	1.00	10.34
ATOM	2610	CD	ARG	412		81.207	96.904	1.00	17.42
ATOM	2611	NE	ARG	412	69.325			1.00	21.02
MOTA	2612	CZ	ARG	412	69.384	82.205	97.782	1.00	22.12
ATOM	2613	NH1	ARG	412	68.621	82.193	98.864		
ATOM	2614	NH2	ARG	412	70.217	83.217	97.586	1.00	23.60
ATOM	2615	С	ARG	412	68.464	77.235	93.808	1.00	20.49
ATOM	2616	0	ARG	412	69.510	77.762	93.401	1.00	19.42
ATOM	2617	N	GLY	413	67.348	77.168	93.092	1.00	22.45
ATOM	2618	CA	GLY	413	67.295	77.725	91.759	1.00	22.08
ATOM	2619	C	GLY	413	67.358	79.233	91.846	1.00	20.93
ATOM	2620	ŏ	GLY	413	66.791	79.831	92.761	1.00	19.19
	2621	N	MET	414	68.049	79.845	90.893	1.00	21.29
ATOM			MET	414	68.197	81.292	90.847	1.00	21.49
ATOM	2622	CA		414	69.265	81.681	89.824	1.00	23.96
ATOM	2623	СВ	MET		70.672	81.250	90.224	1.00	21.70
ATOM	2624	CG	MET	414			91.919	1.00	18.54
ATOM	2625	SD	MET	414	71.103	81.734		1.00	23.85
ATOM	2626	CE	MET	414	71.695	83.398	91.646		20.64
ATOM	2627	С	MET	414	66.888	82.025	90.567	1.00	
ATOM	2628	0	MET	414	66.822	83.254	90.648	1.00	20.74
ATOM	2629	N	GLY	415	65.854	81.267	90.233	1.00	20.53
ATOM	2630	CA	GLY	415	64.558	81.851	89.972	1.00	19.68
ATOM	2631	C	GLY	415	63.640	81.592	91.147	1.00	21.08
ATOM	2632	ŏ	GLY	415	62.425	81.726	91.021	1.00	23.65
ATOM	2633	Ň	SER	416	64.197	81.142	92.266	1.00	20.91
	2634	CA	SER	416	63.393	80.886	93.455	1.00	22.71
ATOM		CB	SER	416	64.144	79.996	94.451	1.00	22.91
ATOM	2635			416	65.344	80.599	94.910	1.00	20.96
ATOM	2636	og	SER				94.087	1.00	24.99
ATOM	2637	С	SER	416	63.105	82.236		1.00	27.08
ATOM	2638	0	SER	416	63.870	83.181	93.890		
ATOM	2639	N	LEU	417	62.019	82.337	94.846	1.00	26.49
ATOM	2640	CA	LEU	417	61.679	83.601	95.485	1.00	29.42
ATOM	2641	CB	LEU	417	60.362	83.497	96.255	1.00	31.14
ATOM	2642	CG	LEU	417	59.054	83.276	95.486	1.00	30.31
ATOM	2643	CD1	LEU	417	57.907	83.354	96.474	1.00	30.36
ATOM	2644	CD2	LEU	417	58.862	84.302	94.378	1.00	25.63
ATOM	2645	C	LEU	417	62.795	84.055	96.420	1.00	32.03
ATOM	2646	ō	LEU	417	63.061	85.249	96.532	1.00	33.75
ATOM	2647	Ň	ASP	418	63.445	83.095	97.081	1.00	35.21
ATOM	2648	CA	ASP	418	64.550	83.378	98.005	1.00	35.94
	2649	CB	ASP	418	64.942	82.121	98.797	1.00	35.59
ATOM			ASP	418	63.988	81.821	99.942	1.00	39.46
ATOM	2650	CG				82.749	100.423	1.00	40.20
ATOM	2651	OD1	ASP	418	63.295		100.423	1.00	41.70
ATOM	2652	OD2	ASP	418	63.941	80.651			36.50
ATOM	2653	С	ASP	418	65.777	83.902	97.275	1.00	
ATOM	2654	0	ASP	418	66.407	84.860	97.716	1.00	37.43
ATOM	2655	N	ALA	419	66.147	83.233	96.189	1.00	36.59
ATOM	2656	CA	ALA	419	67.301	83.646	95.411	1.00	37.48
ATOM	2657	CB	ALA	419	67.567	82.660	94.300	1.00	36.03
ATOM	2658	С	ALA	419	67.021	85.024	94.841	1.00	39.11
ATOM	2659	Ō	ALA	419	67.914	85.869	94.774	1.00	40.78
ATOM	2660	Ň	MET	420	65.770	85.245	94.446	1.00	39.62
ATOM	2661	CA	MET	420	65.348	86.521	93.884	1.00	40.26
		CB	MET	420	64.039	86.368	93.096	1.00	40.92
ATOM	2662					85.453	91.879	1.00	38.85
ATOM	2663	CG	MET	420	64.124			1.00	35.95
ATOM	2664	SD	MET	420	62.752	85.698	90.733		
ATOM	2665	CE	MET	420	61.390	84.999	91.678	1.00	32.77

		_		420	65.163	87.549	94.991	1.00	40.67
ATOM	2666	C	MET	420 420	65.352	88.741	94.681	1.00	41.51
ATOM	2667	0	MET		53.259	89.508	90.596	1.00	46.60
ATOM	2668	СВ	ILE	437	53.123	88.263	91.473	1.00	42.38
ATOM	2669	CG2	ILE	437	53.123 52.015	90.393	90.752	1.00	48.50
ATOM	2670	CG1	ILE	437	51.671	91.225	89.513	1.00	48.60
ATOM	2671	CD1	ILE	437	55.751	89.463	90.476	1.00	46.43
ATOM	2672	C	ILE	437	56.179	89.615	89.324	1.00	47.38
ATOM	2673	0	ILE	437	54.637	91.629	90.302	1.00	47.00
ATOM	2674	N	ILE	437	54.566	90.290	90.965	1.00	47.20
ATOM	2675	CA	ILE	437		88.622	91.355	1.00	43.78
ATOM	2676	N	LYS	438	56.291	87.764	91.001	1.00	40.48
ATOM	2677	CA	LYS	438	57.413	87.761	92.100	1.00	43.36
ATOM	2678	СВ	LYS	438	58.472	89.005	92.099	1.00	52.37
ATOM	2679	CG	LYS	438	59.340	88.957	93.164	1.00	57.07
ATOM	2680	CD	LYS	438	60.428	90.234	93.136	1.00	57.16
ATOM	2681	CE	LYS	438	61.260	90.282	94.245	1.00	58.75
ATOM	2682	NZ	LYS	438	62.246	86.350	90.749	1.00	37.61
ATOM	2683	С	LYS	438	56.919	85.778	91.564	1.00	37.45
ATOM	2684	0	LYS	438	56.197	85.835	89.572	1.00	34.22
ATOM	2685	N	VAL	439	57.249	84.489	89.175	1.00	29.77
ATOM	2686 .	CA	VAL	439	56.871	84.430	87.670	1.00	25.38
ATOM	2687	CB	VAL	439	56.519		87.224	1.00	24.88
ATOM	2688	CG1	VAL	439	56.312	82.994	87.396	1.00	22.94
ATOM	2689	CG2	VAL	439	55.279	85.246	89.436	1.00	29.52
ATOM	2690	С	VAL	439	58.098	83.637	88.836	1.00	30.63
ATOM	2691	0	VAL	439	59.152	83.867	90.392	1.00	28.23
ATOM	2692	N	ALA	440	57.991	82.723	90.392	1.00	26.56
ATOM	2693	CA	ALA	440	59.104	81.843	90.720	1.00	23.10
ATOM	2694	CB	ALA	440	58.859	81.151	89.606	1.00	26.95
ATOM	2695	С	ALA	440	59.277	80.818		1.00	28.49
ATOM	2696	0	ALA	440	58.298	80.297	89.072 89.212	1.00	26.65
ATOM	2697	N	GLN	441	60.524	80.584	88.163	1.00	23.30
· ATOM	2698	CA	GLN	441	60.841	79.625	86.163 86.967	1.00	22.34
ATOM	2699	СВ	GLN	441	61.463	80.328		1.00	26.34
ATOM	2700	CG	GLN	441	60.483	81.223	86.245	1.00	30.83
ATOM	2701	CD	GLN	441	61.126	81.994	85.126 95.464	1.00	32.45
ATOM	2702	OE1	GLN	441	61.199	83.226	85.164	1.00	32.37
ATOM	2703	NE2	GLN	441	61.608	81.277	84.119	1.00	22.70
ATOM	2704	С	GLN	441	61.787	78.582	88.700	1.00	24.78
ATOM	2705	0	GLN	441	62.100	77.609	88.017	1.00	21.19
ATOM	2706	N	GLY	442	62.192	78.763	89.949	1.00	21.43
ATOM	2707	CA	GLY	442	63.092	77.828	90.584	1.00	21.81
ATOM	2708	С	GLY	442	62.534	77.485	91.945	1.00	22.56
ATOM	2709	0	GLY	442	61.635	78.168	92.436	1.00	21.86
ATOM	2710	N	VAL	443	63.117	76.471	92.574	1.00	20.15
ATOM	2711	CA	VAL	443	62.699	75.985	93.886	1.00	19.51
ATOM	2712	CB	VAL	443	62.124	74.542	93.720	1.00	18.43
ATOM	2713	CG1	VAL	443	62.997	73.490	94.406		20.94
ATOM	2714	CG2	VAL	443	60.692	74.487	94.176	1.00	20.65
ATOM	2715	С	VAL	443	63.908	76.010	94.839	1.00	20.03
ATOM	2716	0	VAL	443	65.054	76.084	94.381	1.00	
ATOM	2717	N	SER	444	63.657	75.985	96.149	1.00	21.18
ATOM	2718	CA	SER	444	64.733	75.988	97.149	1.00	21.80
ATOM	2719	СВ	SER	444	64.582	77.171	98.108	1.00	24.85
ATOM	2720	ŌĞ	SER	444	64.906	78.399	97.480	1.00	33.77
ATOM	2721	Č	SER	444	64.827	74.688	97.960	1.00	22.20
ATOM	2722	ō	SER	444		74.394	98.791	1.00	23.12
ATOM	2723	N	GLY	445	65.917	73.948	97.777	1.00	21.40
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						70 700	98.495	1.00	22.02
ATOM	2724	CA	GLY	445	66.068	72.700	99.076	1.00	23.53
ATOM	2725	С	GLY	445	67.439	72.436	99.316	1.00	25.01
ATOM	2726	0	GLY	445	68.217	73.362	99.319	1.00	22.46
ATOM	2727	N	ALA	446	67.729	71.164	99.890	1.00	21.42
ATOM	2728	CA	ALA	446	69.004	70.768	101.396	1.00	19.79
ATOM	2729	CB	ALA	446	68.890	70.614	99.277	1.00	22.96
ATOM	2730	С	ALA	446	69.422	69.459	98.946	1.00	24.40
ATOM	2731	0	ALA	446	68.576	68.627	99.129	1.00	24.30
ATOM	2732	N	VAL	447	70.731	69.287	98.572	1.00	23.81
ATOM	2733	CA	VAL	447	71.326	68.080	97.260	1.00	22.59
ATOM	2734	CB	VAL	447	72.068	68.389	96.195	1.00	23.88
ATOM	2735	CG1	VAL	447	71.078	68.801	90.193 97.467	1.00	28.09
ATOM	2736	CG2	VAL	447	73.048	69.515	99.607	1.00	25.54
ATOM	2737	С	VAL	447	72.284	67.467	100.510	1.00	26.03
ATOM	2738	0	VAL	447	72.765	68.155	99,491	1.00	26.62
ATOM	2739	N	GLN	448	72.530	66.168	100.420	1.00	27.39
ATOM	2740	CA	GLN	448	73.401	65.460	100.424	1.00	30.61
ATOM	2741	CB	GLN	448	73.033	63.973	100.424	1.00	33.45
ATOM	2742	CG	GLN	448	73.722	63.113		1.00	36.95
ATOM	2743	CD	GLN	448	73.330	61.636	101.390	1.00	40.13
ATOM	2744	OE1	GLN	448	73.820	60.811	102.160	1.00	37.67
ATOM	2745	NE2	GLN	448	72.443	61.300	100.454	1.00	28.24
ATOM	2746	С	GLN	448	74.877	65.654	100.068	1.00	30.00
ATOM	2747	0	GLN	448	75.249	65.660	98.896	1.00	29.14
ATOM	2748	N	ASP	449	75.694	65.816	101.106	1.00	26.21
ATOM	2749	CA	ASP	449	77.142	66.029	101.025	1.00	28.70
ATOM	2750	CB	ASP	449	77.724	65.825	102.434		33.19
ATOM	2751	ÇG	ASP	449	79.212	66.116	102.524	1.00	35.84
ATOM	2752	OD1	ASP	449	79.789	66.694	101.582	1.00	34.41
ATOM	2753	OD2	ASP	449	79.811	65.771	103.566	1.00	23.36
ATOM	2754	С	ASP	449	77.842	65.112	100.022	1.00	23.48
ATOM	2755	0	ASP	449	77.731	63.895	100.114	1.00	23.46
ATOM	2756	N	LYS	450	78.582	65.708	99.087	1.00	23.13
ATOM	2757	CA	LYS	450	79.319	64.962	98.056	1.00	23.0 9 24.74
ATOM	2758	CB	LYS	450	79.048	65.539	96.665	1.00	
ATOM	2759	CG	LYS	450	77.600	65.522	96.251	1.00	30.34
ATOM	2760	CD	LYS	450	77.445	65.993	94.816	1.00	34.49
ATOM	2761	CE	LYS	450	75.982	66.200	94.487	1.00	38.17
ATOM	2762	NZ	LYS	450	75.383	67.270	95.338	1.00	42.96
ATOM	2763	С	LYS	450	80.833	64.953	98.281	1.00	23.02
ATOM	2764	0	LYS	450	81.582	64.347	97.507	1.00	21.57
ATOM	2765	N	GLY	451	81.283	65.643	99.321	1.00	22.90
ATOM	2766	CA	GLY	451	82.701	65.694	99.611	1.00	23.16
ATOM	2767	С	GLY	451	83.381	66.831	98.874	1.00	23.95
ATOM	2768	0	GLY	451	82.729	67.801	98.485	1.00	24.66
ATOM	2769	N	SER	452	84.689	66.704	98.663	1.00	22.79
ATOM	2770	CA	SER	452	85.464	67.735	97.990	1.00	19.59
ATOM	2771	СВ	SER	452	86.909	67.718	98.502	1.00	19.37
ATOM	2772	OG	SER	452	87.726	68.650	97.808	1.00	19.18
ATOM	2773	С	SER	452	85.463	67.616	96.482	1.00	17.85
ATOM	2774	Ō	SER	452	85.449	66.514	95.936	1.00	19.84
ATOM	2775	Ň	ILE	453	85.547	68.766	95.820	1.00	16.24
ATOM	2776	CA	ILE	453	85.604	68.843	94,369	1.00	14.58
ATOM	2777	СВ	ILE	453	85.722	70.307	93.884	1.00	12.83
ATOM	2778	CG2	ILE	453	86.387	70.376	92.525	1.00	10.62
ATOM	2779	CG1	ILE	453		70.958	93.807	1.00	14.75
ATOM	2780	CD1	ILE	453		70.321	92.791	1.00	14.86
ATOM	2781	C C	ILE	453		68.118	93.990	1.00	16.06
. 7100		-							

47014	2782	0	ILE	453	86.919	67.393	93.005	1.00	17.00
ATOM		N	HIS	454	87.900	68.257	94.831	1.00	17.66
MOTA	2783			454	89.191	67.626	94.575	1.00	20.84
ATOM	2784	CA	HIS			68.161	95.534	1.00	21.96
ATOM	2785	СВ	HIS	454	90.263			1.00	25.98
ATOM	2786	CG	HIS	454	90.627	69.594	95.290		
ATOM	2787	CD2	HIS	454	90.299	70.725	95.961	1.00	27.87
	2788	ND1	HIS	454	91.410	69.996	94.228	1.00	28.38
ATOM			HIS	454	91.551	71.312	94.254	1.00	27.52
ATOM	2789	CE1			90.885	71.777	95.297	1.00	28.90
ATOM	2790	NE2	HIS	454		66.096	94.564	1.00	20.36
ATOM	2791	С	HIS	454	89.160			1.00	19.89
ATOM	2792	0	HIS	454	90.147	65.449	94.206		
ATOM	2793	N	LYS	455	88.032	65.516	94.950	1.00	19.40
ATOM	2794	CA	LYS	455	87.909	64.070	94.926	1.00	21.55
	2795	СВ	LYS	455	87.551	63.520	96.308	1.00	23.22
ATOM			LYS	455	88.653	63.668	97.367	1.00	29.03
ATOM	2796	CG		455	89.945	62.933	96.994	1.00	37.13
ATOM	2797	CD	LYS				96.873	1.00	45.38
ATOM	2798	CE	LYS	455	89.757	61.421		1.00	51.78
ATOM	2799	NZ	LYS	455	89.383	60.783	98.171		
ATOM	2800	С	LYS	455	86.819	63.728	93.920	1.00	22.09
ATOM	2801	ō	LYS	455	86.992	62.862	93.051	1.00	21.63
	2802	Ň	PHE	456	85.733	64.489	93.980	1.00	21.70
ATOM			PHE	456	84.599	64.272	93.101	1.00	20.89
MOTA	2803	CA		456	83.416	65.142	93.523	1.00	18.96
ATOM	2804	CB	PHE			64.771	92.858	1.00	16.22
ATOM	2805	CG	PHE	456	82.130			1.00	18.25
ATOM	2806	CD1	PHE	456	81.401	63.671	93.296		15.63
ATOM	2807	CD2	PHE	456	81.641	65.521	91.796	1.00	
ATOM	2808	CE1	PHE	456	80.197	63.319	92.684	1.00	19.07
ATOM	2809	CE2	PHE	456	80.446	65.184	91.177	1.00	17.34
	2810	CZ	PHE	456	79.719	64.078	91.622	1.00	20.36
ATOM		C	PHE	456	84.918	64.487	91.632	1.00	19.73
ATOM	2811			456	84.580	63.636	90.805	1.00	22.69
ATOM	2812	0	PHE		85.563	65.601	91.296	1.00	17.27
ATOM	2813	N	VAL	457			89.899	1.00	17.66
MOTA	2814	CA	VAL	457	85.891	65.868		1.00	18.94
ATOM	2815	CB	VAL	457	86.424	67.307	89.664		16.68
ATOM	2816	CG1	VAL	457	86.985	67.457	88.240	1.00	
ATOM	2817	CG2	VAL	457	85.281	68.295	89.853	1.00	16.75
ATOM	2818	С	VAL	457	86.799	64.800	89.298	1.00	16.95
	2819	Ö	VAL -	457	86.588	64.383	88.158	1.00	18.92
ATOM		N	PRO	458	87.833	64.358	90.035	1.00	16.13
ATOM	2820			458	88.457	64.985	91.214	1.00	15.29
ATOM	2821	CD	PRO		88.710	63.313	89.489	1.00	15.15
ATOM	2822	CA	PRO	458		63.058	90.638	1.00	12.23
MOTA	2823	СВ	PRO	458	89.669	•••••			13.07
ATOM	2824	CG	PRO	458	89.866	64.440	91.171	1.00	
ATOM	2825	С	PRO	458	87.881	62.074	89.176	1.00	15.35
ATOM	2826	0	PRO	458	88.106	61.392	88.168	1.00	15.34
ATOM	2827	Ň	TYR	459	86.901	61.809	90.034	1.00	17.57
	2828	CA	TYR	459	86.008	60.675	89.856	1.00	18.14
ATOM			TYR	459	85.077	60.521	91.059	1.00	17.11
ATOM	2829	СВ			83.808	59.775	90.725	1.00	21.11
ATOM	2830	CG	TYR	459			90.420	1.00	18.93
ATOM	2831	CD1	TYR	459	83.826	58.407		1.00	14.76
ATOM	2832	CE1	TYR	459	82.671	57.751	90.004		
ATOM	2833	CD2	TYR	459	82.597	60.457	90.625	1.00	20.85
ATOM	2834	CE2	TYR	459	81.446	59.815	90.213	1.00	15.55
ATOM	2835	CZ	TYR	459	81.488	58.470	89.903	1.00	13.80
ATOM	2836	OH	TYR	459	80.340	57.885	89.442	1.00	13.75
	2837	c'	TYR	459	85.203	60.830	88.559	1.00	20.12
ATOM		Ö	TYR	459	85.135	59.896	87.758	1.00	22.54
ATOM	2838			460	84.590	61.996	88.351	1.00	18.20
ATOM	2839	N	LEU	400	U - .J - U	Q1.550	55.55		

									45.00
ATOM	2840	CA	LEU	460	83.824	62.232	87.126	1.00	15.92
		CB	LEU	460	83.214	63.638	87.115	1.00	15.26
ATOM	2841					63.958	88.233	1.00	14.02
ATOM	2842	CG	LEU	460	82.226				12.72
ATOM	2843	CD1	LEU	460	81.818	65.404	88.150	1.00	
ATOM	2844	CD2	LEU	460	81.020	63.058	88.143	1.00	12.27
			LEU	460	84.735	62.052	85.916	1.00	15.36
ATOM	2845	C			84.326	61.488	84.902	1.00	15.87
ATOM	2846	0	LEU	460				1.00	16.13
ATOM	2847	N	ILE	461	85.970	62.542	86.027		
ATOM	2848	CA	ILE	461	86.968	62.428	84.952	1.00	15.25
	2849	CB	ILE	461	88.288	63.144	85.336	1.00	14.67
ATOM		CG2	ILE	461	89.444	62.676	84.463	1.00	9.67
ATOM	2850				88.103	64.667	85.247	1.00	17.36
ATOM	2851	CG1	ILE	461			85.902	1.00	16.02
ATOM	2852	CD1	ILE	461	89.216	65.455			
ATOM	2853	С	ILE	461	87.233	60.951	84.640	1.00	15.38
ATOM	2854	0	ILE	461	87.260	60.551	83.476	1.00	14.40
	2855	Ň	ALA	462	87.395	60.143	85.683	1.00	14.36
ATOM				462	87.622	58.722	85.500	1.00	15.50
ATOM	2856	CA	ALA				86.830	1.00	14.39
ATOM	2857	СВ	ALA	462	87.932	58.070			17.54
ATOM	2858	С	ALA	462	86.379	58.093	84.871	1.00	
ATOM	2859	0	ALA	462	86.473	57.338	83.902	1.00	19.03
ATOM	2860	Ň	GLY	463	85.211	58.440	85.399	1.00	18.74
			GLY	463	83.968	57.899	84.884	1.00	18.66
ATOM	2861	CA			83.795	58.158	83.403	1.00	19.50
ATOM	2862	С	GLY	463				1.00	20.45
ATOM	2863	0	GLY	463	83.533	57.224	82.638		
ATOM	2864	N	ILE	464	83.992	59.410	82.992	1.00	18.46
ATOM	2865	CA	ILE	464	83.845	59.797	81.594	1.00	18.81
	2866	СВ	ILE	464	84.106	61.298	81.371	1.00	16.10
ATOM				464	83.833	61.663	79.915	1.00	13.53
MOTA	2867	CG2	ILE				82.270	1.00	12.34
ATOM	2868	CG1	ILE	464	83.196	62.129			
ATOM	2869	CD1	ILE	464	83.384	63.605	82.091	1.00	13.25
ATOM	2870	С	ILE	464	84.791	59.007	80.703	1.00	21.38
ATOM	2871	Ō	ILE	464	84.399	58.551	79.622	1.00	22.86
		N	GLN	465	86.024	58.826	81.177	1.00	20.93
ATOM	2872				87.050	58.085	80.443	1.00	19.17
ATOM	2873	CA	GLN	465				1.00	16.09
ATOM	2874	CB	GLN	465	88.360	58.086	81.216		
ATOM	2875	CG	GLN	465	89.063	59.411	81.190	1.00	13.01
ATOM	2876	CD	GLN	465	90.394	59.341	81.867	1.00	12.51
ATOM	2877	OE1	GLN	465	90.513	58.832	82.983	1.00	14.37
			GLN	465	91.418	59.829	81.193	1.00	16.53
ATOM	2878	NE2					80.132	1.00	20.16
ATOM	2879	С	GLN	465	86.659	56.650			22.29
ATOM	2880	0	GLN	465	86.902	56.159	79.027	1.00	
ATOM	2881	Ν	HIS	466	86.084	55.964	81.113	1.00	20.52
ATOM	2882	CA	HIS	466	85.658	54.586	80.911	1.00	21.13
	2883	СВ	HIS	466	85.157	53.979	82.218	1.00	24.96
ATOM				466	86.235	53.772	83.235	1.00	31.10
ATOM	2884	CG	HIS				84.100	1.00	30.04
MOTA	2885	CD2	HIS	466	86.820	54.632			
ATOM	2886	ND1	HIS	466	86.847	52.554	83.432	1.00	36.54
ATOM	2887	CE1	HIS	466	87.763	52.673	84.374	1.00	37.26
ATOM	2888	NE2	HIS	466	87.768	53.924	84.795	1.00	34.17
				466	84.565	54.536	79.846	1.00	21.83
ATOM	2889	C	HIS				78.955	1.00	22.78
ATOM	2890	0	HIS	466	84.597	53.688		1.00	21.38
ATOM	2891	N	SER	467	83.623	55.475	79.913		
ATOM	2892	CA	SER	467	82.541	55.528	78.939	1.00	18.96
ATOM	2893	СВ	SER	467	81.607	56.692	79.242	1.00	19.31
ATOM	2894	ÖĞ	SER	467	80.530	56.712	78.336	1.00	19.95
			SER	467	83.124	55.653	77.539	1.00	17.24
ATOM	2895	C					76.639	1.00	20.25
ATOM	2896	0	SER	467	82.725	54.928			
ATOM	2897	N	CYS	468	84.087	56.553	77.361	1.00	17.11

			01/0	468	84.738	56.727	76.067	1.00	15.35
ATOM	2898	CA	CYS		85.823	57.810	76.120	1.00	15.72
ATOM	2899	СВ	CYS	468	85.235	59.525	75.957	1.00	15.92
ATOM	2900	SG	CYS	468		55.413	75.649	1.00	15.52
ATOM	2901	С	CYS	468	85.366	55.077	74.471	1.00	16.61
ATOM	2902	0	CYS	468	85.356		76.609	1.00	14.54
ATOM	2903	Ν	GLN	469	85.894	54.656 53.376	76.285	1.00	14.20
ATOM	2904	CA	GLN	469	86.505		77.480	1.00	12.53
ATOM	2905	СВ	GLN	469	87.231	52.779	77.400 77.120	1.00	10.20
ATOM	2906	CG	GLN	469	87.852	51.442	78.303	1.00	10.73
ATOM	2907	CD	GLN	469	88.499	50.763	79.409	1.00	11.90
ATOM	2908	OE1	GLN	469	87.958	50.756	79.40 9 78.071	1.00	11.04
ATOM	2909	NE2	GLN	469	89.665	50.171		1.00	15.39
ATOM	2910	С	GLN	469	85.492	52.364	75.766	1.00	17.75
ATOM	2911	0	GLN	469	85.708	51.734	74.736	1.00	14.75
ATOM	2912	N	ASP	470	84.402	52.180	76.496	1.00	14.73
ATOM	2913	CA	ASP	470	83.384	51.240	76.078	1.00	14.71
ATOM	2914	СB	ASP	470	82.213	51.243	77.059		16.63
ATOM	2915	CG	ASP	470	82.524	50.507	78.352	1.00	13.27
ATOM	2916	OD1	ASP	470	83.543	49.784	78.426	1.00	17.13
ATOM	2917	OD2	ASP	470	81.720	50.650	79.299	1.00	15.71
ATOM	2918	С	ASP	470	82.890	51.580	74.679	1.00	15.71
ATOM	2919	0	ASP	470	82.766	50.701	73.826	1.00	15.00
ATOM	2920	N	ILE	471	82.656	52.864	74.427	1.00	17.16
ATOM	2921	CA	ILE	471	82.164	53.276	73.121	1.00	15.42
ATOM	2922	СВ	ILE	471	81.410	54.644	73.178	1.00	13. 4 2 12.68
ATOM	2923	CG2	ILE	471	80.441	54.662	74.361	1.00	16.88
ATOM	2924	CG1	ILE	471	82.379	55.815	73.305	1.00 1.00	19.09
ATOM	2925	CD1	ILE	471	81.675	57.153	73.500	1.00	19.09
ATOM	2926	С	ILE	471	83.245	53.261	72.033	1.00	21.58
ATOM	2927	0	ILE	471	82.945	53.462	70.855	1.00	18.31
ATOM	2928	N	GLY	472	84.488	52.986	72.429	1.00	17.02
ATOM	2929	CA	GLY	472	85.594	52.915	71.484 70.983	1.00	17.61
ATOM	2930	С	GLY	472	86.170	54.225	69.838	1.00	19.06
ATOM	2931	0	GLY	472	86.616	54.308	71.846	1.00	18.13
ATOM	2932	N	ALA	473	86.203	55.236	71.840	1.00	16.93
MOTA	2933	CA	ALA	473	86.735	56.552	71.490 71.524	1.00	15.29
ATOM	2934	СВ	ALA	473	85.629	57.580 56.068	71.32 4 72.428	1.00	17.85
ATOM	2935	C	ALA	473	87.870	56.968 56.045	72. 42 5 73.651	1.00	19.09
ATOM	2936	0	ALA	473	87.718	56.945 57.325	71.847	1.00	16.96
ATOM	2937	N	LYS	474	89.010	57.323 57.748	72.611	1.00	17.79
ATOM	2938	CA	LYS	474	90.182	57.740 57.563	71.789	1.00	21.65
ATOM	2939	СВ	LYS	474	91.462	56.137	71.703	1.00	31.55
ATOM	2940	CG	LYS	474	91.817 93.090	56.130	70.525	1.00	40.40
ATOM	2941	CD	LYS	474		54.741	69.987	1.00	44.48
ATOM	2942	CE	LYS	474	93.447	53.804	71.052	1.00	47.47
MOTA	2943	NZ	LYS	474	93.906 90.121	59.202	73.065	1.00	15.79
ATOM	2944	C	LYS	474	90.121	59.643	73.801	1.00	15.96
ATOM	2945	0	LYS	474	89.118	59.952	72.614	1.00	14.00
ATOM	2946	N	SER	475 475	88.987	61.356	72.991	1.00	13.63
ATOM	2947	CA	SER		89.987	62.207	72.213	1.00	12.89
ATOM	2948	CB	SER	475 475	89.804	62.056	70.815	1.00	11.85
ATOM	2949	OG	SER	475 475	87.590	61.892	72.727	1.00	14.26
ATOM	2950	C	SER	475	86.876	61.379	71.867	1.00	15.62
ATOM	2951	0	SER LEU	475	87.222	62.960	73.429	1.00	15.53
ATOM	2952	N		476	85.903	63.572	73.258	1.00	16.54
ATOM	2953	CA	LEU	476	85.707	64.745	74.226	1.00	12.36
ATOM	2954	CB CG	LEU	476	85.603	64.398	75.718	1.00	11.06
ATOM	2955	CG	LLU	710	20.000				

		004	1 = 1 1	476	85.238	65.641	76.512	1.00	6.39
ATOM	2956	CD1	LEU			63.318	75.932	1.00	9.52
ATOM	2957	CD2	LEU	476	84.557			1.00	17.37
ATOM	2958	С	LEU	476	85.736	64.036	71.823		
	2959	Ō	LEU	476	84.658	63.935	71.238	1.00	19.71
ATOM		Ň	THR	477	86.828	64.512	71.244	1.00	19.45
MOTA	2960			477	86.835	64.971	69.867	1.00	20.10
ATOM	2961	CA	THR			65.479	69.481	1.00	20.18
ATOM	2962	CB	THR	477	88.227		70.438	1.00	20.52
ATOM	2963	OG1	THR	477	88.655	66.456			21.34
ATOM	2964	CG2	THR	477	88.202	66.085	68.088	1.00	
	2965	C	THR	477	86.473	63.801	68.956	1.00	20.32
ATOM		ŏ	THR	477	85.716	63.962	68.004	1.00	20.43
ATOM	2966			478	87.002	62.623	69.276	1.00	19.47
ATOM	2967	N	GLN			61.430	68.485	1.00	19.30
ATOM	2968	CA	GLN	478	86.735		68.902	1.00	20.23
ATOM	2969	CB	GLN	478	87.649	60.278			21.67
ATOM	2970	CG	GLN	478	87.681	59.135	67.896	1.00	
	2971	CD	GLN	478	88.536	57.970	68.345	1.00	22.44
ATOM		OE1	GLN	478	89.243	58.049	69.343	1.00	22.21
ATOM	2972			478	88.457	56.871	67.619	1.00	25.65
ATOM	2973	NE2	GLN			61.005	68.635	1.00	18.53
ATOM	2974	С	GLN	478	85.284		67.646	1.00	20.45
ATOM	2975	0	GLN	478	84.634	60.653			16.40
ATOM	2976	N	VAL	479	84.774	61.057	69.862	1.00	
	2977	CA	VAL	479	83.390	60.676	70.122	1.00	15.90
ATOM		СВ	VAL	479	82.986	60.898	71.597	1.00	15.74
ATOM	2978			479	81.591	60.352	71.849	1.00	13.93
ATOM	2979	CG1	VAL			60.205	72.515	1.00	17.75
ATOM	2980	CG2	VAL	479	83.965		69.207	1.00	14.57
ATOM	2981	С	VAL	479	82.436	61.439			14.93
ATOM	2982	0	VAL	479	81.536	60.843	68.613	1.00	
	2983	N	ARG	480	82.649	62.743	69.059	1.00	14.86
ATOM		CA.	ARG	480	81.788	63.537	68.180	1.00	14.83
ATOM	2984			480	82.017	65.021	68.390	1.00	13.38
ATOM	2985	СВ	ARG		81.403	65.513	69.661	1.00	13.20
ATOM	2986	CG	ARG	480			70.054	1.00	17.86
ATOM	2987	CD	ARG	480	81.994	66.825		1.00	27.35
ATOM	2988	NE	ARG	480	82.330	66.787	71.468		
ATOM	2989	CZ	ARG	480	83.501	67.159	71.967	1.00	31.62
	2990	NH1	ARG	480	84.459	67.606	71.162	1.00	30.46
ATOM		NH2	ARG	480	83.718	67.065	73.273	1.00	35.55
ATOM	2991			480	81.925	63.179	66.706	1.00	13.45
ATOM	2992	C	ARG		80.930	63.121	65.986	1.00	13.13
ATOM	2993	0	ARG	480			66.260	1.00	13.31
ATOM	2994	Ν	ALA	481	83.145	62.909		1.00	15.17
ATOM	2995	CA	ALA	481	83.369	62.534	64.869		
ATOM	2996	CB	ALA	481	84.844	62.311	64.610	1.00	16.26
	2997	C	ALA	481	82.590	61.256	64.590	1.00	16.54
ATOM		ŏ	ALA	481	81.852	61.177	63.605	1.00	18.67
MOTA	2998			482	82.752	60.265	65.465	1.00	15.36
ATOM	2999	N	MET			58.985	65.350	1.00	15.54
ATOM	3000	CA	MET	482	82.057		66.512	1.00	14.12
ATOM	3001	CB	MET	482	82.430	58.061			14.38
ATOM	3002	CG	MET	482	83.821	57.466	66.432	1.00	
ATOM	3003	SD	MET	482	84.228	56.501	67.895	1.00	19.57
	3004	CE	MET	482	83.309	55.013	67.579	1.00	5.26
ATOM			MET	482	80.544	59.175	65.333	1.00	17.70
ATOM	3005	C		482	79.835	58.490	64.597	1.00	21.04
ATOM	3006	0	MET			60.101	66.142	1.00	17.24
ATOM	3007	N	MET	483	80.045			1.00	17.79
ATOM	3008	CA	MET	483	78.617	60.350	66.190		
ATOM	3009	СВ	MET	483	78.254	61.118	67.467	1.00	20.77
ATOM	3010	CG	MET	483	78.076	62.603	67.310	1.00	25.75
	3011	SD	MET	483	76.433	62.978	66.748	1.00	27.11
ATOM		CE	MET	483	76.244	64.529	67.464	1.00	28.07
ATOM	3012				78.141	61.057	64.921	1.00	17.84
ATOM	3013	С	MET	483	70.141	01.007	31.32		,

		_		402	77.122	60.677	64.347	1.00	18.55
ATOM	3014	0	MET	483	78.907	62.034	64.442	1.00	18.23
MOTA	3015	N	TYR	484		62.769	63.221	1.00	18.32
ATOM	3016	CA	TYR	484	78.553	64.084	63.136	1.00	13.90
ATOM	3017	CB	TYR	484	79.324	65.154	64.062	1.00	12.61
ATOM	3018	CG	TYR	484	78.821		64.000	1.00	10.69
ATOM	3019	CD1	TYR	484	77.504	65.594	64.854	1.00	11.90
ATOM	3020	CE1	TYR	484	77.044	66.605	64.999	1.00	13.80
ATOM	3021	CD2	TYR	484	79.670	65.740	65.851	1.00	10.55
ATOM	3022	CE2	TYR	484	79.228	66.741		1.00	8.99
ATOM	3023	CZ	TYR	484	77.916	67.169	65.772 66.596	1.00	7.99
ATOM	3024	ОН	TYR	484	77.503	68.179		1.00	19.94
ATOM	3025	С	TYR	484	78.767	61.985	61.923	1.00	22.03
ATOM	3026	0	TYR	484	78.141	62.282	60.902	1.00	18.19
ATOM	3027	N	SER	485	79.671	61.012	61.951	1.00	18.62
ATOM	3028	CA	SER	485	79.947	60.192	60.775	1.00	21.82
ATOM	3029	СВ	SER	485	81.329	59.558	60.882		27.56
ATOM	3030	OG	SER	485	81.401	58.715	62.023	1.00	18.30
ATOM	3031	С	SER	485	78.927	59.074	60.659	1.00	
ATOM	3032	0	SER	485	78.865	58.388	59.639	1.00	19.04
ATOM	3033	N	GLY	486	78.200	58.840	61.747	1.00	17.81
ATOM	3034	CA	GLY	486	77.204	57.789	61.774	1.00	14.51
ATOM	3035	С	GLY	486	77.740	56.579	62.510	1.00	13.19
ATOM	3036	0	GLY	486	76.973	55.791	63.042	1.00	15.77
ATOM	3037	Ň	GLU	487	79.061	56.462	62.589	1.00	11.32
ATOM	3038	CA	GLU	487	79.705	55.335	63.251	1.00	10.96
ATOM	3039	СВ	GLU	487	81.213	55.561	63.311	1.00	12.35
ATOM	3040	CG	GLU	487	81.980	54.438	63.999	1.00	11.26
ATOM	3041	CD	GLU	487	83.483	54.632	63.984	1.00	12.67
ATOM	3042	OE1	GLU	487	83.978	55.618	63.383	1.00	14.49
ATOM	3043	OE2	GLU	487	84.177	53.785	64.574	1.00	15.10
ATOM	3044	C	GLU	487	79.196	54.984	64.650	1.00	11.80
ATOM	3045	Ö	GLU	487	79.117	53.806	65.002	1.00	10.47
ATOM	3046	Ň	LEU	488	78.915	55.999	65.464	1.00	11.14
ATOM	3047	CA	LEU	488	78.433	55.769	66.819	1.00	9.95
ATOM	3048	СВ	LEU	488	78.671	57.006	67.691	1.00	9.92
ATOM	3049	CG	LEU	488	78.505	56.890	69.213	1.00	10.98
ATOM	3050	CD1	LEU	488	79.352	55.770	69.767	1.00	13.79
ATOM	3051	CD2	LEU	488	78.912	58.186	69.869	1.00	10.11
ATOM	3052	С	LEU	488	76.951	55.448	66.731	1.00	12.30
ATOM	3053	0	LEU	488	76.206	53.132	66.034	1.00	13.80
ATOM	3054	N	LYS	489	76.529	54.385	67.407	1.00	12.49 9.72
ATOM	3055	CA	LYS	489	75.133	53.983	67.385	1.00	9.72 7.65
ATOM	3056	CB	LYS	489	75.013	52.534	66.927	1.00	6.90
ATOM	3057	CG	LYS	489	75.553	52.273	65.542	1.00	8.74
ATOM	3058	CD	LYS	489	74.793	53.048	64.486	1.00	8.65
ATOM	3059	CE	LYS	489	75.343	52.755	63.105	1.00	21.71
ATOM	3060	NZ	LYS	489	74.236	52.827	62.110	1.00	10.66
ATOM	3061	С	LYS	489	74.480	54.143	68.744	1.00	
ATOM	3062	0	LYS	489	75.137	54.063	69.777	1.00	10.17
ATOM	3063	N	PHE	490	73.169	54.332	68.730	1.00	11.10
ATOM	3064	CA	PHE	490	72.391	54.500	69.941	1.00	10.52
ATOM	3065	CB	PHE	490	71.884	55.947	70.063	1.00	10.19
ATOM	3066	CG	PHE	490	72.968	56.987	69.999	1.00	11.62
ATOM	3067	CD1	PHE	490	73.510	57.375	68.784	1.00	10.59
ATOM	3068	CD2	PHE	490	73.450	57.576	71.161	1.00	14.71
ATOM	3069	CE1	PHE	490	74.513	58.332	68.728	1.00	10.01
ATOM	3070	CE2	PHE	490	74.456	58.537	71.113	1.00	11.23
ATOM	3071	CZ	PHE	490	74.987	58.911	69.899	1.00	8.86

							00.000	1.00	12.95
ATOM	3072	С	PHE	490	71.186	53.585	69.808	1.00	12.71
ATOM	3073	0	PHE	490	70.974	52.955	68.754		13.66
ATOM	3074	N	GLU	491	70.404	53.523	70.883	1.00	
ATOM	3075	CA	GLU	491	69.174	52.742	70.943	1.00	14.24
ATOM	3076	СВ	GLU	491	69.480	51.260	71.171	1.00	14.20
	3077	CG	GLU	491	68.245	50.402	71.226	1.00	11.29
ATOM	3078	CD	GLU	491	68.526	48.976	70.870	1.00	12.52
ATOM		OE1	GLU	491	68.577	48.667	69.662	1.00	14.42
ATOM	3079	OE2	GLU	491	68.704	48.168	71.796	1.00	12.45
ATOM	3080		GLU	491	68.252	53.288	72.050	1.00	15.42
ATOM	3081	C		491	68.698	53.544	73.177	1.00	15.37
ATOM	3082	0	GLU			53.521	71.704	1.00	15.56
ATOM	3083	N	LYS	492	66.989	54.038	72.658	1.00	16.28
MOTA	3084	CA	LYS	492	66.013	54.295	71.970	1.00	16.97
ATOM	3085	CB	LYS	492	64.674		70.906	1.00	22.04
ATOM	3086	CG	LYS	492	64.727	55.368		1.00	30.69
ATOM	3087	CD	LYS	492	63.471	55.376	70.050		40.54
ATOM	3088	CE	LYS	492	62.229	55.692	70.876	1.00	
ATOM	3089	NZ	LYS	492	60.981	55.643	70.060	1.00	44.71
ATOM	3090	С	LYS	492	65.797	53.034	73.772	1.00	16.62
ATOM	3091	ŏ	LYS	492	65.940	51.834	73.562	1.00	18.55
	3092	Ň	ARG	493	65.445	53.534	74.950	1.00	17.23
ATOM	3092	CA	ARG	493	65.184	52.698	76.114	1.00	15.40
ATOM		CB	ARG	493	66.068	53.110	77.292	1.00	12.64
ATOM	3094		ARG	493	67.464	52.564	77.237	1.00	16.13
ATOM	3095	CG		493 493	68.060	52.481	78.616	1.00	14.05
MOTA	3096	CD	ARG			53.788	79.232	1.00	15.84
ATOM	3097	NE	ARG	493	68.213	53.78	80.450	1.00	19.92
ATOM	3098	CZ	ARG	493	68.714			1.00	17.89
ATOM	3099	NH1	ARG	493	69.108	52.940	81.179	1.00	20.74
ATOM	3100	NH2	ARG	493	68.816	55.206	80.947		16.72
ATOM	3101	С	ARG	493	63.741	52.822	76.559	1.00	
ATOM	3102	0	ARG	493	63.316	53.891	76.991	1.00	17.93
ATOM	3103	N	THR	494	62.972	51.747	76.444	1.00	17.78
ATOM	3104	CA	THR	494	61.593	51.785	76.911	1.00	18.02
ATOM	3105	СВ	THR	494	60.873	50.472	76.627	1.00	16.97
	3106	0G1	THR	494	61.699	49.381	77.047	1.00	19.57
ATOM	3107	CG2	THR	494	60.573	50.333	75.155	1.00	17.62
ATOM		C	THR	494	61.700	51.959	78.425	1.00	19.69
ATOM	3108		THR	494	62.782	51.780	78.998	1.00	22.59
ATOM	3109	0			60.602	52.311	79.079	1.00	19.02
MOTA	3110	N	SER	495		52.496	80.523	1.00	18.50
MÔTA	3111	CA	SER	495	60.608	52. 43 0 52.910	80.981	1.00	24.80
ATOM	3112	CB	SER	495	59.226		80.183	1.00	39.46
ATOM	3113	OG	SER	495	58.776	53.997	• • • • • •		18.35
ATOM	3114	С	SER	495	61.072	51.239	81.254	1.00	
ATOM	3115	0	SER	495	61.835	51.326	82.214	1.00	17.67
ATOM	3116	N	SER	496	60.631	50.071	80.784	1.00	17.30
ATOM	3117	CA	SER	496	61.042	48.802	81.378	1.00	16.26
ATOM	3118	СВ	SER	496	60.331	47.633	80.697	1.00	15.19
ATOM	3119	ŌĞ	SER	496	58.931	47.811	80.695	1.00	20.72
ATOM	3120	Č	SER	496	62.545	48.665	81.156	1.00	17.45
		ŏ	SER	496	63.272	48.164	82.023	1.00	17.49
ATOM	3121			497	62.998	49.116	79.987	1.00	16.53
ATOM	3122	N	ALA			49.069	79.625	1.00	16.21
ATOM	3123	CA	ALA	497	64.403		78.172	1.00	15.16
ATOM	3124	СВ	ALA	497	64.582	49.440		1.00	17.84
ATOM	3125	С	ALA	497	65.211	50.000	80.522		19.41
ATOM	3126	0	ALA	497	66.365	49.712	80.842	1.00	
ATOM	3127	N	GLN	498	64.603	51.109	80.938	1.00	18.51
ATOM	3128	CA	GLN	498	65.268	52.067	81.829	1.00	18.22
ATOM	3129	СВ	GLN	498	64.520	53.391	81.838	1.00	14.72
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							22.542	4.00	46 47
ATOM	3130	CG	GLN	498	64.614	54.155	80.542	1.00	16.17
ATOM	3131	CD	GLN	498	63.737	55.389	80.552	1.00	21.61
		OE1	GLN	498	63.701	56.134	81.530	1.00	23.31
ATOM	3132			498	63.000	55.597	79.471	1.00	25.52
ATOM	3133	NE2	GLN			51.510	83.248	1.00	19.49
ATOM	3134	С	GLN	498	65.319			1.00	21.42
ATOM	3135	0	GLN	498	66.288	51.728	83.973		
ATOM	3136	N	VAL	499	64.258	50.802	83.633	1.00	19.64
ATOM	3137	CA	VAL	499	64.137	50.166	84.945	1.00	20.58
	3138	СВ	VAL	499	62.712	49.567	85.124	1.00	24.21
ATOM				499	62.670	48.559	86.284	1.00	26.96
ATOM	3139	CG1	VAL			50.682	85.364	1.00	23.58
ATOM	3140	CG2	VAL	499	61.714			1.00	20.51
ATOM	3141	С	VAL	499	65.166	49.042	85.060		17.74
ATOM	3142	0	VAL	499	65.775	48.828	86.117	1.00	
ATOM	3143	N	GLU	500	65.318	48.310	83.960	1.00	22.30
	3144	CA	GLU	500	66.255	47.202	83.871	1.00	22.71
ATOM		CB	GLU	500	66.028	46.436	82.574	1.00	17.71
ATOM	3145			500	67.069	45.379	82.317	1.00	17.26
ATOM	3146	CG	GLU			44.749	80.966	1.00	21.30
ATOM	3147	CD	GLU	500	66.915			1.00	24.96
ATOM	3148	OE1	GLU	500	66.357	43.633	80.903		
ATOM	3149	OE2	GLU	500	67.346	45.365	79.965	1.00	21.01
ATOM	3150	С	GLU	500	67.692	47.709	83.913	1.00	25.21
ATOM	3151	ō	GLU	500	68.579	47.027	84.432	1.00	27.22
		Ň	GLY	501	67.912	48.879	83.316	1.00	24.95
ATOM	3152		GLY	501	69.230	49.484	83.285	1.00	23.31
ATOM	3153	CA			69.723	49.914	84.653	1.00	23.43
ATOM	3154	C	GLY	501			84.885	1.00	24.54
ATOM	3155	0	GLY	501	70.931	49.967		1.00	22.98
ATOM	3156	N	GLY	502	68.801	50.268	85.544		
ATOM	3157	CA	GLY	502	69.185	50.676	86.886	1.00	21.16
ATOM	3158	С	GLY	502	69.157	49.489	87.833	1.00	20.14
ATOM	3159	0	GLY	502	68.977	48.347	87.404	1.00	19.33
ATOM	3160	N	VAL	503	69.330	49.747	89.123	1.00	18.98
ATOM	3161	CA	VAL	503	69.304	48.679	90.113	1.00	19.85
	3162	CB	VAL	503	69.848	49.145	91.468	1.00	15.03
ATOM		CG1	VAL	503	69.691	48.039	92.503	1.00	15.02
ATOM	3163			503	71.291	49.559	91.329	1.00	12.67
ATOM	3164	CG2	VAL			48.185	90.316	1.00	24.02
ATOM	3165	С	VAL	503	67.876			1.00	25.36
ATOM	3166	0	VAL	503	66.956	48.976	90.545		26.21
ATOM	3167	N	HIS	504	67.697	46.870	90.252	1.00	
ATOM	3168	CA	HIS	504	66.383	46.270	90.443	1.00	27.57
ATOM	3169	СВ	HIS	504	65.643	46.117	89.102	1.00	23.86
ATOM	3170	CG	HIS	504	66.377	45.298	88.078	1.00	21.19
	3171	CD2	HIS	504	67.136	45.667	87.021	1.00	19.48
ATOM				504	66.340	43.919	88.056	1.00	16.78
ATOM	3172	ND1	HIS			43.478	87.029	1.00	11.24
MOTA	3173	CE1	HIS	504	67.044		86.387	1.00	12.99
ATOM	3174	NE2	HIS	504	67.539	44.517			29.67
ATOM	3175	С	HIS	504	66.492	44.922	91.135	1.00	
ATOM	3176	0	HIS	504	67.588	44.401	91.334	1.00	29.30
ATOM	3177	N	SER	505	65.347	44.407	91.567	1.00	31.87
ATOM	3178	CA	SER	505	65.255	43.100	92.201	1.00	34.64
ATOM	3179	CB	SER	505	65.572	42.008	91.169	1.00	36.20
		OG	SER	505	64.746	42.151	90.016	1.00	38.33
ATOM	3180			505	66.070	42.882	93.476	1.00	36.15
ATOM	3181	C	SER			41.735	93.837	1.00	38.12
ATOM	3182	0	SER	505	66.369		94.172	1.00	35.02
MOTA	3183	N	LEU	506	66.411	43.960			35.93
ATOM	3184	CA	LEU	506	67.161	43.825	95.415	1.00	
ATOM	3185	CB	LEU	506	68.354	44.779	95.454	1.00	33.98
ATOM	3186	CG	LEU	506	69.443	44.537	94.419	1.00	32.60
ATOM	3187	CD1	LEU	506	70.627	45.416	94.745	1.00	31.60
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ATOM	3188	CD2	LEU	506	69.842	43.068	94.416	1.00	30.24
	3189	C	LEU	506	66.245	44.112	96.591	1.00	37.40
ATOM		Ö	LEU	506	65.313	44.911	96.478	1.00	39.36
ATOM	3190	N	HIS	507	66.475	43.433	97.707	1.00	37.50
ATOM	3191	CA	HIS	507	65.666	43.667	98.888	1.00	36.26
ATOM	3192			507	65.771	42.502	99.863	1.00	36.36
ATOM	3193	СВ	HIS	507	64.968	42.689	101.107	1.00	39.58
ATOM	3194	CG	HIS			42.268	101.439	1.00	40.11
ATOM	3195	CD2	HIS	507	63.726	43.420	102.184	1.00	41.90
ATOM	3196	ND1	HIS	507	65.426		103.127	1.00	42.56
ATOM	3197	CE1	HIS	507	64.501	43.442	102.700	1.00	44.44
ATOM	3198	NE2	HIS	507	63.458	42.753		1.00	36.56
ATOM	3199	С	HIS	507	66.169	44.951	99.535 100.173	1.00	38.46
ATOM	3200	0	HIS	507	65.407	45.670		1.00	36.54
ATOM	3201	N	SER	508	67.458	45.227	99.372		36.63
ATOM	3202	CA	SER	508	68.083	46.427	99.917	1.00	
ATOM	3203	CB	SER	508	68.229	46.328	101.438	1.00	37.89
ATOM	3204	OG	SER	508	69.053	45.232	101.811	1.00	39.59
ATOM	3205	С	SER	508	69.458	46.530	99.296	1.00	36.63
ATOM	3206	0	SER -	508	69.994	45.527	98.824	1.00	36.76
ATOM	3207	N	TYR	509	70.012	47.738	99.274	1.00	37.19
ATOM	3208	CA	TYR	509	71.346	47.968	98.727	1.00	39.23
ATOM	3209	СВ	TYR	509	71.360	47.768	97.208	1.00	33.64
ATOM	3210	CG	TYR	509	70.764	48.911	96.415	1.00	29.36
ATOM	3211	CD1	TYR	509	71.578	49.902	95.870	1.00	27.11
	3212	CE1	TYR	509	71.046	50.942	95.118	1.00	22.91
ATOM ATOM	3213	CD2	TYR	509	69.392	48.990	96.189	1.00	26.29
	3213	CE2	TYR	509	68.849	50.027	95.437	1.00	25.07
ATOM	3214	CZ	TYR	509	69.683	50.999	94.902	1.00	23.09
ATOM		OH	TYR	509	69.155	52.024	94.146	1.00	24.38
ATOM	3216	C	TYR	509	71.835	49.374	99.048	1.00	42.36
ATOM	3217		TYR	509	71.051	50.252	99.404	1.00	43.20
ATOM	3218	0	GLU	510	73.138	49.574	98.930	1.00	46.38
ATOM	3219	N		510	73.746	50.873	99.159	1.00	50.81
ATOM	3220	CA	GLU		74.723	50.813	100.334	1.00	53.83
ATOM	3221	СВ	GLU	510	74.725 75.845	49.801	100.161	1.00	63.78
ATOM	3222	CG	GLU	510		49.675	101.394	1.00	71.79
ATOM	3223	CD	GLU	510	76.718	49.673 48.919	101.334	1.00	75.41
ATOM	3224	OE1	GLU	510	76.330		102.514	1.00	73.41
ATOM	3225	OE2	GLU	510	77.788	50.325	97.857	1.00	52.99
ATOM	3226	С	GLU	510	74.482	51.166	97.037 97.148	1.00	53.50
ATOM	3227	0	GLU	510	74.884	50.238	97.146 97.509	1.00	54.97
ATOM	3228	N	LYS	511	74.621	52.439		1.00	55.10
ATOM	3229	CA	LYS	511	75.312	52.795	96.280		56.27
ATOM	3230	CB	LYS	511	74.354	53.494	95.312	1.00	
ATOM	3231	CG	LYS	511	74.918	53.698	93.908	1.00	57.13 58.18
ATOM	3232	CD	LYS	511	73.909	54.392	92.994	1.00	
ATOM	3233	CE	LYS	511	72.631	53.576	92.849	1.00	59.33
ATOM	3234	NZ	LYS	511	71.639	54.229	91.955	1.00	58.37
ATOM	3235	С	LYS	511	76.507	53.688	96.571	1.00	54.99
ATOM	3236	0	LYS	511	76.424	54.609	97.382	1.00	54.53
ATOM	3237	N	ARG	512	77.628	53.362	95.942	1.00	56.46
ATOM	3238	CA	ARG	512	78.868	54.115	96.081	1.00	57.97
ATOM	3239	СВ	ARG	512	79.803	53.447	97.085	1.00	58.04
ATOM	3240	CG	ARG	512	79.468	53.766	98.529	1.00	62.49
ATOM	3241	CD	ARG	512	80.493	53.185	99.482	1.00	64.62
ATOM	3242	NE	ARG	512	80.419	51.727	99.537	1.00	63.61
ATOM	3242	CZ	ARG	512	81.447	50.933	99.823	1.00	61.12
ATOM	3244	NH1	ARG	512	82.644	51.445	100.083	1.00	56.55
ATOM	3245	NH2	ARG	512	81.269	49.621	99.853	1.00	61.94
A I OIVI	J27J	14114	,	J,_					

				= 40	70 500	54.115	94.702	1.00	58.54
ATOM	3246	С	ARG	512	79.500	53.252	93.884	1.00	59.96
ATOM	3247	0	ARG	512	79.178		94.434	1.00	57.83
ATOM	3248	N	LEU	513	80.391	55.065		1.00	57.56
ATOM	3249	CA	LEU	513	81.016	55.124	93.123		61.92
ATOM	3250	СВ	LEU	513	80.303	56.148	92.257	1.00	
ATOM	3251	CG	LEU	513	79.439	55.464	91.197	1.00	68.38
ATOM	3252	CD1	LEU	513	78.247	56.348	90.818	1.00	71.78
ATOM	3253	CD2	LEU	513	80.308	55.085	89.991	1.00	65.83
ATOM	3254	C	LEU	513	82.510	55.358	93.107	1.00	55.65
	3255	Ö	LEU	513	83.188	54.979	92.152	1.00	55.17
ATOM	3256	Ň	PHE	514	83.012	55.993	94.157	1.00	54.01
ATOM		CA	PHE	514	84.434	56.272	94.282	1.00	52.79
ATOM	3257	CB	PHE	514	84.809	57.567	93.540	1.00	51.46
ATOM	3258	CG	PHE	514	84.134	58.813	94.071	1.00	47.21
ATOM	3259		PHE	514	82.819	59.113	93.731	- 1.00	45.39
ATOM	3260	CD1			84.833	59.707	94.873	1.00	42.42
ATOM	3261	CD2	PHE	514		60.281	94.180	1.00	44.25
ATOM	3262	CE1	PHE	514	82.217	60.874	95.325	1.00	41.86
ATOM	3263	CE2	PHE	514	84.238		94.978	1.00	43.49
ATOM	3264	CZ	PHE	514	82.930	61.163		1.00	52.80
ATOM	3265	С	PHE	514	84.837	56.352	95.752	1.00	52.32 [,]
ATOM	3266	0	PHE	514	83.988	55.991	96.597		58.03
ATOM	3267	CB	SER	1011	57.929	87.366	59.237	1.00	
ATOM	3268	OG	SER	1011	58.006	88.780	59.293	1.00	63.01
ATOM	3269	С	SER	1011	59.129	85.247	59.802	1.00	54.25
ATOM	3270	Ō	SER	1011	60.185	84.781	59.351	1.00	53.59
ATOM	3271	Ň	SER	1011	60.325	87.376	59.863	1.00	55.40
ATOM	3272	CA	SER	1011	59.010	86.732	60.117	1.00	55.46
ATOM	3273	N N	TYR	1012	58.046	84.513	60.043	1.00	51.61
	3274	CA	TYR	1012	58.026	83.086	59.791	1.00	48.08
ATOM	3275	CB	TYR	1012	56.873	82.419	60.545	1.00	41.27
ATOM		CG	TYR	1012	56.809	80.925	60.332	1.00	34.35
ATOM	3276		TYR	1012	57.930	80.127	60.548	1.00	28.76
ATOM	3277	CD1	TYR	1012	57.899	78.760	60.325	1.00	29.64
ATOM	3278	CE1			55.641	80.312	59.888	1.00	34.30
ATOM	3279	CD2	TYR	1012	55.597	78.934	59.663	1.00	36.50
ATOM	3280	CE2	TYR	1012		78.163	59.885	1.00	34.98
ATOM	3281	CZ	TYR	1012		76.103 76.797	59.672	1.00	36.25
ATOM	3282	ОН	TYR	1012			58.309	1.00	48.56
ATOM	3283	С	TYR	1012		82.790	57.604	1.00	49.57
ATOM	3284	0	TYR	1012		83.422		1.00	48.25
ATOM	3285	N	VAL	1013		81.859	57.833	1.00	47.55
ATOM	3286	CA	VAL	1013		81.436	56.446		48.39
ATOM	3287	CB	VAL		59.816	81.975	55.598	1.00	
ATOM	3288	CG1	VAL	1013		82.123	54.154	1.00	47.70
ATOM	3289	CG2	VAL	1013		83.289	56.162	1.00	49.99
ATOM	3290	С	VAL	1013		79.916	56.490	1.00	47.43
ATOM	3291	0	VAL	1013	59.714	79.348	56.978	1.00	47.21
ATOM	3292	N	PRO	1014	57.640	79.243	56.114	1.00	47.63
ATOM	3293	CD	PRO	1014	56.292	79.787	55.872	1.00	47.66
ATOM	3294	CA	PRO	1014		77.781	56.122	1.00	48.55
ATOM	3295	СВ	PRO	1014		77.452	55.855	1.00	49.13
ATOM	3296	CG	PRO	1014		78.665	55.137	1.00	49.10
ATOM	3297	c	PRO	1014		77.153	55.097	1.00	48.71
	3298	Ö	PRO	1014		77.595	53.944	1.00	49.40
ATOM	3290 3299	N	ASP	1015		76.153	55.549	1.00	48.60
ATOM			ASP	1015		75.454	54.687	1.00	48.10
ATOM	3300	CA		1015		74.468	55.501	1.00	53.10
ATOM	3301	CB	ASP			73.484	56.334	1.00	60.22
ATOM	3302	CG	ASP	1015		73.846	57.460	1.00	63.12
ATOM	3303	OD1	ASP	1015	5 59.891	73.040	37.400	1.00	JJ. 12

				4045	CO 404	72.338	55.873	1.00	64.06
ATOM	3304	OD2	ASP	1015	60.104	74.750	53.538	1.00	44.68
ATOM	3305	С	ASP	1015	59.552		53.659	1.00	44.03
ATOM	3306	0	ASP	1015	58.389	74.360		1.00	40.80
ATOM	3307	N	ASP	1016	60.250	74.583	52.425	1.00	38.03
ATOM	3308	CA	ASP	1016	59.657	73.952	51.264		39.43
ATOM	3309	СВ	ASP	1016	59.204	75.037	50.278	1.00	
	3310	CG	ASP	1016	57.769	74.858	49.822	1.00	38.43
ATOM	3311	OD1	ASP	1016	57.008	75.848	49.852	1.00	34.54
ATOM	3312	OD2	ASP	1016	57.405	73.730	49.430	1.00	41.54
ATOM			ASP	1016	60.665	73.024	50.594	1.00	35.83
ATOM	3313	C	ASP	1016	61.813	73.399	50.366	1.00	37.51
ATOM	3314	0		1017	60.230	71.811	50.285	1.00	32.24
ATOM	3315	N	GLY	1017	61.101	70.858	49.630	1.00	27.23
ATOM	3316	CA	GLY	1017	61.868	69.973	50.589	1.00	25.42
ATOM	3317	С	GLY			70.165	51.804	1.00	27.96
ATOM	3318	0	GLY	1017	61.837	68.985	50.029	1.00	22.02
MOTA	3319	N	LEU	1018	62.552		50.798	1.00	18.75
ATOM	3320	CA	LEU	1018	63.340	68.043	50.798 50.268	1.00	17.25
ATOM	3321	CB	LEU	1018	63.108	66.632		1.00	16.23
ATOM	3322	CG	LEU	1018	61.713	66.062	50.485		16.23
ATOM	3323	CD1	LEU	1018	61.601	64.734	49.768	1.00	
ATOM	3324	CD2	LEU	1018	61.452	65.896	51.978	1.00	13.24
	3325	C	LEU	1018	64.814	68.361	50.687	1.00	15.88
ATOM	3326	Ö	LEU	1018	65.252	68.972	49.724	1.00	17.36
ATOM		N	THR	1019	65.580	67.966	51.687	1.00	13.27
ATOM	3327		THR	1019	67.007	68.179	51.634	1.00	14.14
ATOM	3328	CA	THR	1019	67.611	68.222	53.031	1.00	12.51
ATOM	3329	СВ		1019	67.263	67.029	53.737	1.00	17.30
MOTA	3330	OG1	THR		67.076	69.419	53.799	1.00	8.68
ATOM	3331	CG2	THR	1019		66.954	50.878	1.00	16.62
ATOM	3332	С	THR	1019	67.505		50.761	1.00	17.81
ATOM	3333	0	THR	1019	66.768	65.967	50.761	1.00	16.80
ATOM	3334	N	ALA	1020	68.723	67.007		1.00	16.84
ATOM	3335	CA	ALA	1020	69.253	65.872	49.598	1.00	17.48
ATOM	3336	CB	ALA	1020	70.620	66.183	49.042		17.70
ATOM	3337	С	ALA	1020	69.282	64.630	50.485	1.00	
ATOM	3338	0	ALA	1020	69.021	63.514	50.020	1.00	19.09
ATOM	3339	N	GLN	1021	69.548	64.825	51.771	1.00	16.33
ATOM	3340	CA	GLN	1021	69.568	63.704	52.693	1.00	17.71
	3341	СВ	GLN	1021	70.003	64.152	54.088	1.00	21.58
ATOM		CG	GLN	1021	69.993	63.035	55.126	1.00	33.97
ATOM	3342		GLN	1021		63.171	56.141	1.00	44.79
ATOM	3343	CD OF1	GLN	1021		64.087	56.972	1.00	47.71
ATOM	3344	OE1		1021		62.267	56.068	1.00	49.18
ATOM	3345	NE2	GLN		•	63.012	52.754	1.00	17.20
ATOM	3346	C	GLN	1021		61.805	52.578	1.00	17.20
ATOM	3347	0	GLN	1021		63.778	52.944	1.00	16.52
ATOM	3348	N	GLN	1022				1.00	15.89
ATOM	3349	CA	GLN	1022		63.202	53.028	1.00	15.47
ATOM	3350	CB	GLN	1022		64.276	53.323		17.25
ATOM	3351	ÇG	GLN	1022		65.126	54.536	1.00	
ATOM	3352	CD	GLN	1022	63.960	66.191	54.684	1.00	23.78
ATOM	3353	OE1	GLN	1022	62.816	65.890	55.009	1.00	31.89
ATOM	3354	NE2	GLN	1022		67.436	54.403	1.00	26.89
	3355	C	GLN	1022		62.524	51.733	1.00	17.02
ATOM			GLN	1022		61.402	51.731	1.00	19.29
ATOM	3356	0		1023		63.237	50.635	1.00	17.87
ATOM	3357	N	LEU	102		62.773	49.307	1.00	17.81
ATOM	3358	CA	LEU			63.877	48.291	1.00	18.45
ATOM	3359	CB	LEU	102		63.689	46.812	1.00	19.08
ATOM	3360	CG	LEU	102			46.612	1.00	18.39
ATOM	3361	CD1	LEU	102	3 63.703	63.664	40.012	1.00	, 0.00

	2262	CD2	LEU	1023	65.827	64.815	46.014	1.00	16.88
ATOM	3362		LEU	1023	65.927	61.479	48.909	1.00	20.42
ATOM	3363	C				60.543	48.436	1.00	19.06
ATOM	3364	0	LEU	1023	65.280		49.093	1.00	23.89
ATOM	3365	N	PHE	1024	67.244	61.425		1.00	25.50
ATOM	3366	CA	PHE	1024	68.023	60.249	48.704		
ATOM	3367	СВ	PHE	1024	69.421	60.657	48.257	1.00	19.33
ATOM	3368	CG	PHE	1024	69.405	61.431	46.990	1.00	17.62
ATOM	3369	CD1	PHE	1024	69.404	60.778	45.770	1.00	16.25
ATOM	3370	CD2	PHE	1024	69.241	62.810	47.013	1.00	23.98
ATOM	3371	CE1	PHE	1024	69.226	61.477	44.590	1.00	21.25
ATOM	3372	CE2	PHE	1024	69.062	63.525	45.841	1.00	25.54
ATOM	3373	CZ	PHE	1024	69.052	62.856	44.625	1.00	27.04
ATOM	3374	C_	PHE	1024	68.064	59.117	49.693	1.00	28.39
ATOM	3375	Ö	PHE	1024	68.248	57.961	49.321	1.00	30.05
	3376	N	ASN	1025	67.867	59.444	50.957	1.00	31.89
ATOM			ASN	1025	67.846	58.427	51.987	1.00	36.32
ATOM	3377	CA		1025	68.597	58.917	53.232	1.00	41.18
ATOM	3378	СВ	ASN			59.192	53.232 52.944	1.00	41.83
ATOM	3379	CG	ASN	1025	70.085			1.00	47.33
ATOM	3380	OD1	ASN	1025	70.957	58.409	53.319		
ATOM	3381	ND2	ASN	1025	70.369	60.292	52.263	1.00	38.75
ATOM	3382	С	ASN	1025	66.357	58.169	52.207	1.00	36.28
ATOM	3383	0	ASN	1025	65.818	58.279	53.313	1.00	36.13
ATOM	3384	N	CYS	1026	65.724	57.839	51.080	1.00	36.85
ATOM	3385	CA	CYS	1026	64.298	57.551	50.945	1.00	34.82
ATOM	3386	CB .	CYS	1026	63.662	58.629	50.061	1.00	37.24
ATOM	3387	SG	CYS	1026	62.051	59.254	50.560	1.00	47.39
ATOM	3388	C	CYS	1026	64.120	56.177	50.266	1.00	33.53
ATOM	3389	ŏ	CYS	1026	63.007	55.667	50.174	1.00	32.71
ATOM	3390	N	GLY	1027	65.204	55.624	49.723	1.00	32.56
	3391	CA	GLY	1027	65.154	54.316	49.082	1.00	31.56
ATOM			GLY	1027	64.429	54.193	47.749	1.00	31.84
ATOM	3392	C	GLY	1027	64.181	53.084	47.270	1.00	30.93
ATOM	3393	0					47.119	1.00	31.14
ATOM	3394	N	ASP	1028	64.141	55.323			
ATOM	3395	CA	ASP	1028	63.421	55.326	45.853	1.00	30.56
ATOM	3396	СВ	ASP	1028	62.755	56.691	45.623	1.00	36.90
ATOM	3397	CG	ASP	1028	61.541	56.924	46.530	1.00	43.07
ATOM	3398	OD1	ASP	1028	60.926	55.938	47.010	1.00	45.77
ATOM	3399	OD2	ASP	1028	61.193	58.108	46.742	1.00	46.97
ATOM	3400	С	ASP	1028	64.230	54.935	44.622	1.00	28.09
ATOM	3401	0	ASP	1028	63.652	54.695	43.563	1.00	28.66
ATOM	3402	N	GLY	1029	65.553	54.898	44.744	1.00	24.86
ATOM	3403	CA	GLY	1029	66.378	54.534	43.606	1.00	21.35
ATOM	3404	C	GLY	1029	66.189	55.526	42.471	1.00	21.27
ATOM	3405	Ö	GLY	1029	65.868	55.145	41.332	1.00	21.10
ATOM	3406	Ň	LEU	1030	66.397	56.806	42.774	1.00	20.08
ATOM	3407	CA	LEU	1030	66.225	57.848	41.772	1.00	18.05
ATOM	3408	CB	LEU	1030	65.340	58.992	42.303	1.00	17.70
		CG	LEU	1030	65.138	59.328	43.782	1.00	14.68
ATOM	3409						44.418	1.00	21.75
ATOM	3410	CD1	LEU	1030	66.426	59.721			
ATOM	3411	CD2	LEU	1030	64.175	60.474	43.905	1.00	13.20
ATOM	3412	C	LEU	1030	67.490	58.408	41.126	1.00	18.04
ATOM	3413	0	LEU	1030	68.601	58.272	41.651	1.00	15.80
ATOM	3414	N	THR	1031	67.303	58.964	39.932	1.00	18.36
ATOM	3415	CA	THR	1031	68.371	59.591	39.167	1.00	17.66
ATOM	3416	CB	THR	1031	68.653	58.880	37.850	1.00	17.35
ATOM	3417	OG1	THR	1031	67.489	58.168	37.410	1.00	20.68
ATOM	3418	CG2	THR	1031	69.798	57.957	38.023	1.00	19.52
ATOM	3419	С	THR	1031	68.014	61.024	38.850	1.00	17.30
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ATOM	3420	0	THR	1031				1.00	16.44
ATOM	3421	N	TYR	1032	68.834	61.641	38.012		
ATOM	3422	CA	TYR	1032	68.674	63.031	37.617	1.00	16.87
ATOM	3423	CB	TYR	1032	69.631	63.343	36.463	1.00	14.97
ATOM	3424	CG	TYR	1032	71.073	63.021	36.756	1.00	8.96
ATOM	3425	CD1	TYR	1032	71.641	63.357	37.975	1.00	11.80
		CE1	TYR	1032	72.972	63.071	38.250	1.00	14.63
ATOM	3426			1032	71.870	62.390	35.809	1.00	5.18
ATOM	3427	CD2	TYR				36.068	1.00	7.16
ATOM	3428	CE2	TYR	1032	73.194	62.102			
ATOM	3429	CZ	TYR	1032	73.746	62.447	37.291	1.00	12.40
ATOM	3430	ОН	TYR	1032	75.074	62.186	37.557	1.00	13.92
ATOM	3431	С	TYR	1032	67.266	63.513	37.249	1.00	18.29
ATOM	3432	0	TYR	1032	66.758	64.472	37.834	1.00	16.95
ATOM	3433	Ň	ASN	1033	66.623	62.840	36.301	1.00	19.44
	3434	CA	ASN	1033	65.304	63.277	35.860	1.00	19.44
ATOM				1033	64.954	62.644	34.519	1.00	17.51
ATOM	3435	СВ	ASN				33.386	1.00	24.27
ATOM	3436	CG	ASN	1033	65.762	63.226			
ATOM	3437	OD1	ASN	1033	66.375	64.288	33.528	1.00	27.27
ATOM	3438	ND2	ASN	1033	65.795	62.530	32.261	1.00	24.84
ATOM	3439	С	ASN	1033	64.154	63.126	36.833	1.00	19.96
ATOM	3440	Ó	ASN	1033	63.058	63.613	36.570	1.00	21.81
ATOM	3441	Ň	ASP	1034	64.413	62.507	37.977	1.00	18.51
	3442	·CA	ASP	1034	63.369	62.288	38.966	1.00	16.08
ATOM						60.964	39.695	1.00	13.85
ATOM	3443	СВ	ASP	1034	63.602			1.00	17.69
ATOM	3444	CG	ASP	1034	63.376	59.770	38.806		
ATOM	3445	OD1	ASP	1034	62.332	59.729	38.121	1.00	22.84
ATOM	3446	OD2	ASP	1034	64.242	58.877	38.783	1.00	17.41
ATOM	3447	С	ASP	1034	63.212	63.402	39.979	1.00	15.01
ATOM	3448	С	ASP	1034	62.325	63.326	40.835	1.00	17.19
ATOM	3449	N	PHE	1035	64.053	64.426	39.910	1.00	11.94
ATOM	3450	CA	PHE	1035	63.942	65.504	40.881	1.00	12.57
	3451	СВ	PHE	1035	64.743	65.178	42.149	1.00	10.75
ATOM				1035	66.224	65.195	41.946	1.00	10.13
ATOM	3452	CG	PHE				42.108	1.00	12.40
ATOM	3453	CD1	PHE	1035	66.943	66.375			
ATOM	3454	CD2	PHE	1035	66.897	64.044	41.572	1.00	13.01
ATOM	3455	CE1	PHE	1035	68.315	66.405	41.901	1.00	14.59
ATOM	3456	CE2	PHE	1035	68.275	64.059	41.361	1.00	17.26
ATOM	3457	CZ	PHE	1035	68.986	65.241	41.524	1.00	16.88
ATOM	3458	C	PHE	1035	64.344	66.866	40.345	1.00	12.04
ATOM	3459	ŏ	PHE	1035	64.903	66.984	39.257	1.00	11.35
ATOM	3460	N	LEU	1036	64.061	67.889	41.138	1.00	12.75
		CA	LEU	1036	64.372	69.261	40.774	1.00	16.81
ATOM	3461				63.098	69.993	40.359	1.00	17.81
ATOM	3462	СВ	LEU	1036					18.45
ATOM	3463	CG	LEU	1036	62.568	69.755	38.955	1.00	
ATOM	3464	CD1	LEU	1036	61.203	70.408	38.829	1.00	15.39
ATOM	3465	CD2	LEU	1036	63.555	70.308	37.936	1.00	18.87
ATOM	3466	С	LEU	1036	64.992	70.009	41.941	1.00	17.35
ATOM	3467	0	LEU	1036	64.808	69.633	43.100	1.00	20.23
ATOM	3468	Ň	ILE	1037	65.745	71.056	41.626	1.00	15.55
ATOM	3469	CA	ILE	1037	66.354	71.878	42.648	1.00	12.98
				1037	67.771	72.312	42.254	1.00	13.94
MOTA	3470	CB	ILE				43.470	1.00	13.02
ATOM	3471	CG2	ILE	1037	68.491	72.873			
ATOM	3472	CG1	ILE	1037	68.555	71.115	41.698	1.00	16.53
ATOM	3473	CD1	ILE	1037	69.945	71.454	41.180	1.00	13.78
ATOM	3474	С	ILE	1037	65.445	73.095	42.706	1.00	13.09
ATOM	3475	0	ILE	1037	65.202	73.744	41.680	1.00	13.21
ATOM	3476	N	LEU	1038	64.861	73.344	43.869	1.00	10.11
ATOM	3477	CA	LEU	1038	63.980	74.486	44.014	1.00	10.59
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ATOM	3478	СВ	LEU	1038	63.183	74.398	45.322	1.00	10.09
ATOM	3479	CG	LEU	1038	62.147	73.275	45.416	1.00	3.81
ATOM	3480	CD1	LEU	1038	61.367	73.428	46.684	1.00	3.17
ATOM	3481	CD2	LEU	1038	61.213	73.318	44.237	1.00	2.82
	3482	C	LEU	1038	64.849	75.738	43.976	1.00	12.67
ATOM	3483	Ö	LEU	1038	65.959	75.735	44.514	1.00	14.13
ATOM		N	PRO	1030	64.375	76.811	43.311	1.00	12.96
ATOM	3484		PRO	1039	63.052	76.923	42.671	1.00	13.41
ATOM	3485	CD		1039	65.032 65.115	78.075	43.194	1.00	11.42
ATOM	3486	CA	PRO		64.226	78.890	42.262	1.00	12.86
ATOM	3487	СВ	PRO	1039		78.408	42.202	1.00	11.92
ATOM	3488	CG	PRO	1039	62.853			1.00	11.00
ATOM	3489	C	PRO	1039	65.328	78.779	44.522	1.00	12.52
ATOM	3490	0	PRO	1039	64.657	78.473	45.505		
ATOM	3491	N	GLY	1040	66.239	79.745	44.536	1.00	12.23
ATOM	3492	CA	GLY	1040	66.525	80.482	45.754	1.00	12.18
ATOM	3493	С	GLY	1040	66.517	81.987	45.570	1.00	12.14
ATOM	3494	0	GLY	1040	65.700	82.516	44.821	1.00	13.21
ATOM	3495	N	TYR	1041	67.434	82.671	46.248	1.00	13.56
ATOM	3496	CA	TYR	1041	67.542	84.127	46.182	1.00	13.97
ATOM	3497	CB	TYR	1041	67.703	84.702	47.593	1.00	14.19
ATOM	3498	CG	TYR	1041	67.872	86.207	47.636	1.00	17.57
ATOM	3499	CD1	TYR	1041	66.893	87.057	47.115	1.00	18.66
ATOM	3500	CE1	TYR	1041	67.054	88.441	47.137	1.00	18.65
ATOM	3501	CD2	TYR	1041	69.017	86.782	48.185	1.00	15.46
ATOM	3502	CE2	TYR	1041	69.183	88.163	48.213	1.00	18.22
ATOM	3503	CZ	TYR	1041	68.200	88.989	47.687	1.00	18.97
ATOM	3504	ОН	TYR	1041	68.374	90.361	47.714	1.00	19.15
ATOM	3505	C	TYR	1041	68.720	84.550	45.313	1.00	14.59
ATOM	3506	ŏ	TYR	1041	69.868	84.240	45.631	1.00	16.29
ATOM	3507	Ň	ILE	1042	68.434	85.272	44.231	1.00	15.26
ATOM	3508	CA	ILE	1042	69.469	85.742	43.306	1.00	14.94
ATOM	3509	СВ	ILE	1042	68.926	85.844	41.871	1.00	11.71
ATOM	3510	CG2	ILE	1042	70.016	86.310	40.926	1.00	7.14
ATOM	3511	CG1	ILE	1042	68.367	84.483	41.444	1.00	8.36
	3512	CD1	ILE	1042	67.843	84.452	40.058	1.00	5.40
ATOM	3512	CDI	ILE	1042	70.068	87.074	43.744	1.00	17.59
ATOM	3513	Ö	ILE	1042	69.428	88.127	43.688	1.00	18.42
ATOM	3514	N	ASP	1042	71.331	87.011	44.130	1.00	21.17
ATOM				1043	72.060	88.163	44.629	1.00	24.79
ATOM	3516	CA	ASP	1043	72.676	8 <i>i.</i> 773	44.02 3 45.978	1.00	25.19
MOTA	3517	CB	ASP		72.641		46.981	1.00	33.67
ATOM	3518	CG	ASP	1043		88.897		1.00	39.64
ATOM	3519	OD1	ASP	1043	71.841	89.846	46.812		
ATOM	3520	OD2	ASP	1043	73.410	88.823	47.961	1.00	37.45
ATOM	3521	C	ASP	1043	73.176	88.612	43.688	1.00	26.69
ATOM	3522	0	ASP	1043	73.903	89.564	43.990	1.00	28.10
ATOM	3523	N	PHE	1044	73.272	87.976	42.526	1.00	25.31
ATOM	3524	CA	PHE	1044	74.343	88.271	41.587	1.00	22.89
ATOM	3525	CB	PHE	1044	75.567	87.446	41.975	1.00	21.97
ATOM	3526	CG	PHE	1044	75.286	85.977	42.022	1.00	25.11
ATOM	3527	CD1	PHE	1044	74.503	85.440	43.048	1.00	24.61
ATOM	3528	CD2	PHE	1044	75.696	85.145	40.991	1.00	25.66
ATOM	3529	CE1	PHE	1044	74.127	84.108	43.034	1.00	22.42
ATOM	3530	CE2	PHE	1044	75.321	83.806	40.972	1.00	24.74
ATOM	3531	CZ	PHE	1044	74.535	83.291	41.994	1.00	23.97
ATOM	3532	С	PHE	1044	73.946	87.861	40.186	1.00	23.67
ATOM	3533	0	PHE	1044	72.930	87.193	39.974	1.00	24.13
ATOM	3534	N	THR	1045	74.810	88.195	39.240	1.00	24.33
ATOM	3535	CA	THR	1045	74.589	87.866	37.847	1.00	23.97
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ATOM 3536 CB THR 1045 75.099 88.999 36.918 1.00 21.89 ATOM 3538 CG2 THR 1045 76.524 89.071 36.965 1.00 22.39 ATOM 3538 CG2 THR 1045 74.551 90.335 37.382 1.00 17.41 ATOM 3539 C THR 1045 75.307 86.552 37.556 1.00 23.80 ATOM 3540 O THR 1045 75.307 86.552 37.556 1.00 23.80 ATOM 3541 N ALA 1046 74.761 85.786 36.618 1.00 23.80 ATOM 3542 CA ALA 1046 74.539 84.487 36.229 1.00 26.11 ATOM 3543 CB ALA 1046 74.539 83.935 35.038 1.00 24.43 ATOM 3545 C ALA 1046 77.516 83.597 35.035 1.00 22.672 ATOM 3546 N ASP 1047 77.265 85.504 35.212 1.00 25.672 ATOM 3547 CA ASP 1047 77.865 85.596 34.851 1.00 27.98 ATOM 3548 CB ASP 1047 78.665 85.586 34.851 1.00 31.33 ATOM 3549 CG ASP 1047 78.465 88.107 34.519 1.00 46.25 ATOM 3551 OD2 ASP 1047 79.291 88.799 35.165 1.00 46.25 ATOM 3551 OD2 ASP 1047 79.804 85.638 36.046 1.00 26.28 ATOM 3551 OD2 ASP 1047 79.804 85.587 36.306 1.00 24.34 ATOM 3555 OD1 ASP 1047 79.904 85.540 37.241 1.00 21.35 ATOM 3555 OD1 ASP 1047 79.904 85.587 35.880 1.00 31.35 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 31.35 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3556 CB GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3557 CG GLN 1048 79.862 88.107 37.211 1.00 31.35 ATOM 3558 CD GLN 1048 79.862 88.107 39.711 1.00 46.25 ATOM 3550 OT ASP 1047 79.804 85.581 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.581 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.810 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.810 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.587 39.411 1.00 31.35 ATOM 3550 OT ASP 1047 79.804 85.810 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.810 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.810 38.437 1.00 27.71 ATOM 3550 OT ASP 1047 79.804 85.810 38.437 1.00 27.71 ATOM 3550 OT ASP 1048 85.810 38.305 38.004 1.00 28.83 ATOM 3550 OT ASP 1050 85.810 89.007 39.921 1.00 38.83 ATOM 3550 OT ASP 1050 85.810 89.007 39.921 1.00 38.83 ATOM 3550 OT ASP 1050 85.810 89.007 39.921 1.00 38.83 ATOM 3550 OT ASP 1050 85.850 89.007 39.922 1.00 38.83 ATOM 3560 CB VAL 1049 70.806 89.306 39.922 1		0500	00	TUD	4045	75 000	99 000	26.049	1.00	21.89
ATOM 3539 CG THR 1045 74.551 90.335 37.382 1.00 17.41 ATOM 3540 O THR 1045 75.307 86.552 37.558 1.00 24.74 ATOM 3541 N ALA 1046 74.761 85.786 36.818 1.00 26.52 ATOM 3541 N ALA 1046 74.751 85.786 36.818 1.00 26.52 ATOM 3542 CA ALA 1046 75.305 84.487 38.229 1.00 26.51 ATOM 3543 CB ALA 1046 75.305 84.487 38.229 1.00 26.51 ATOM 3543 CB ALA 1046 77.516 83.593 35.036 1.00 24.43 ATOM 3544 C ALA 1046 77.516 83.593 36.350 1.00 24.43 ATOM 3545 O ALA 1046 77.516 83.593 36.350 1.00 22.79.8 ATOM 3545 O ALA 1046 77.516 83.593 36.350 1.00 27.98 ATOM 3546 N ASP 1047 78.696 85.586 34.851 1.00 31.33 ATOM 3548 CB ASP 1047 78.696 85.586 34.851 1.00 31.33 ATOM 3548 CB ASP 1047 78.692 84.490 35.929 1.00 29.16 ATOM 3547 CA ASP 1047 78.692 86.759 33.923 1.00 31.33 ATOM 3548 CB ASP 1047 78.693 86.759 33.923 1.00 31.33 ATOM 3551 OD2 ASP 1047 78.291 88.497 34.519 1.00 46.25 ATOM 3552 C ASP 1047 78.695 88.107 34.519 1.00 46.25 ATOM 3553 O ASP 1047 79.604 85.638 36.046 1.00 52.0 ATOM 3555 OD1 ASP 1047 79.604 85.638 36.046 1.00 28.88 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3556 CB GLN 1048 79.802 85.740 39.771 1.00 27.74 ATOM 3556 CB GLN 1048 79.802 88.121 33.785 1.00 31.35 ATOM 3557 CA GLN 1048 79.802 88.121 33.785 1.00 31.21 ATOM 3560 NE2 GLN 1048 78.980 88.121 33.785 1.00 31.21 ATOM 3560 CB GLN 1048 78.980 88.121 33.785 1.00 31.21 ATOM 3561 C GLN 1048 78.980 88.121 33.785 1.00 27.74 ATOM 3566 CB GLN 1048 78.980 88.121 33.785 1.00 27.74 ATOM 3566 CB GLN 1048 78.980 88.121 33.785 1.00 27.74 ATOM 3567 C GLN 1048 78.980 88.047 39.971 1.00 47.10 ATOM 3568 C VAL 1049 79.486 82.120 39.201 1.00 19.76 ATOM 3568 C C ASP 1050 88.898 89.067 39.771 1.00 47.10 ATOM 3568 C C ASP 1050 88.898 89.067 39.771 1.00 47.10 ATOM 3568 C C ASP 1050 88.898 89.067 39.771 1.00 47.10 ATOM 3568 C C ASP 1050 88.898 89.067 39.784 1.00 22.77 ATOM 3568 C C ASP 1050 88.898 89.067 39.784 1.00 19.75 ATOM 3568 C C ASP 1050 88.898 89.067 39.794 1.00 22.77 ATOM 3568 C C ASP 1050 88.898 89.067 39.791 1.00 20.73 ATOM 3569 C C ASP 1050 88.898 89.067 39.794 1.00										
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ATOM 3541 N ALA 1046 74,761 85,766 36,818 1,00 25,52 ATOM 3541 N ALA 1046 74,761 85,766 36,818 1,00 26,51 ATOM 3542 CA ALA 1046 75,305 84,487 36,229 1,00 26,11 ATOM 3543 CB ALA 1046 76,752 84,480 35,929 1,00 26,72 ATOM 3544 C ALA 1046 77,516 83,597 36,350 1,00 24,43 ATOM 3545 O ALA 1046 77,516 83,597 36,350 1,00 27,98 ATOM 3546 N ASP 1047 77,516 83,597 36,350 1,00 27,98 ATOM 3547 CA ASP 1047 78,666 85,564 35,212 1,00 29,16 ATOM 3547 CA ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3548 CB ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3548 CB ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3549 CG ASP 1047 78,23 86,79 33,923 1,00 48,68 ATOM 3550 OD1 ASP 1047 77,279 88,799 35,165 1,00 48,25 ATOM 3550 OD1 ASP 1047 77,279 88,799 35,165 1,00 48,68 ATOM 3551 OD2 ASP 1047 79,604 85,638 36,046 1,00 28,88 ATOM 3553 O ASP 1047 89,810 85,557 35,890 1,00 31,35 ATOM 3555 CA GIN 1048 79,049 85,740 37,241 1,00 27,71 ATOM 3555 CA GIN 1048 79,049 85,740 37,241 1,00 27,71 ATOM 3556 CB GLN 1048 79,237 86,797 39,411 1,00 31,35 ATOM 3558 CD GLN 1048 78,286 89,067 39,771 1,00 47,10 ATOM 3550 O EL GLN 1048 77,175 89,582 39,547 100 34,24 ATOM 3560 NE2 GLN 1048 77,175 89,582 39,547 100 34,24 ATOM 3560 NE2 GLN 1048 77,175 89,582 39,547 100 49,42 ATOM 3560 NE2 GLN 1048 77,175 89,582 39,547 100 49,42 ATOM 3560 NE2 GLN 1048 78,288 89,067 39,771 1,00 47,10 ATOM 3560 NE2 GLN 1048 78,288 89,067 39,771 1,00 47,10 ATOM 3560 NE2 GLN 1048 78,288 89,067 39,771 1,00 47,10 ATOM 3561 C GLN 1048 78,268 89,067 39,771 1,00 47,10 ATOM 3560 NE2 GLN 1048 78,268 89,067 39,771 1,00 47,10 ATOM 3560 NE2 GLN 1048 78,268 89,067 39,771 1,00 47,10 ATOM 3561 C GLN 1048 78,268 89,067 39,771 1,00 47,10 ATOM 3560 NE2 GLN 1048 78,268 89,067 39,771 1,00 47,10 ATOM 3560 NE2 GLN 1048 78,365 81,196 38,3945 1,00 26,49 ATOM 3560 NE2 GLN 1048 78,365 81,196 38,3945 1,00 26,49 ATOM 3560 NE2 GLN 1048 78,365 81,196 38,3945 1,00 26,49 ATOM 3560 NE2 GLN 1048 78,365 81,196 38,3945 1,00 19,66 ATOM 3560 NE2 GLN 1048 78,365 81,196 39,497 1,00 14,50 ATOM 3560 NE2 GLN 1048 78,365 81,196 39	ATOM	3538	CG2	THR	1045	74.551	90.335	37.382		
ATOM 3541 N ALA 1046 74,761 85,768 36,168 1,00 25,52 ATOM 3541 N ALA 1046 74,761 85,768 36,168 1,00 26,52 ATOM 3542 CA ALA 1046 75,305 84,487 36,229 1,00 26,11 ATOM 3543 CB ALA 1046 76,792 84,480 35,929 1,00 26,72 ATOM 3545 O ALA 1046 77,516 83,597 36,350 1,00 27,98 ATOM 3546 N ASP 1047 77,255 85,504 35,212 1,00 29,16 ATOM 3547 CA ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3548 CB ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3548 CB ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3549 CG ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3549 CG ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3550 OD1 ASP 1047 77,279 88,799 35,165 1,00 48,26 ATOM 3551 OD2 ASP 1047 77,279 88,467 34,319 1,00 48,26 ATOM 3553 O ASP 1047 79,604 85,638 36,046 1,00 28,88 ATOM 3553 O ASP 1047 89,801 85,557 35,890 1,00 31,35 ATOM 3555 CA GIN 1048 79,049 85,740 37,241 1,00 27,79 ATOM 3555 CA GIN 1048 79,049 85,740 37,241 1,00 27,71 ATOM 3558 CD GLN 1048 79,237 86,797 39,411 1,00 31,33 ATOM 3558 CD GLN 1048 79,237 86,797 39,411 1,00 31,21 ATOM 3559 CE GLN 1048 78,800 88,121 38,785 1,00 38,83 ATOM 3550 CD GLN 1048 78,800 88,121 38,785 1,00 38,83 ATOM 3560 NE2 GLN 1048 77,956 89,502 39,547 1,00 49,42 ATOM 3561 C GLN 1048 77,948 89,057 39,771 1,00 47,10 ATOM 3560 CG CLN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CLN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CLN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 78,865 81,966 39,377 1 1,00 47,10 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,133 1,00 26,49 ATOM 3560 CG CAN 1048 80,025 84,471 39,139 1,00 1,00 20,70 ATOM 3560 CG CAN 1048 80,025 84,471 39,139 40	ATOM	3539	С	THR	1045	75.307	86.552	37.558	1.00	24.74
ATOM 3541 N ALA 1046 74,761 85,786 36,618 1,00 26,52 ATOM 3542 CA ALA 1046 75,305 84,487 36,229 1,00 26,11 ATOM 3543 CB ALA 1046 76,792 84,490 35,929 1,00 26,72 ATOM 3544 C ALA 1046 76,792 84,490 35,929 1,00 26,72 ATOM 3545 O ALA 1046 76,792 84,490 35,929 1,00 27,98 ATOM 3546 N ASP 1047 77,255 85,504 35,212 1,00 29,16 ATOM 3547 CA ASP 1047 77,255 85,504 35,212 1,00 29,16 ATOM 3548 CB ASP 1047 78,666 85,566 34,851 1,00 31,33 ATOM 3548 CB ASP 1047 78,923 86,779 33,923 1,00 38,14 ATOM 3549 CG ASP 1047 78,465 88,107 34,519 1,00 46,25 ATOM 3551 OD2 ASP 1047 79,291 88,799 35,165 1,00 46,25 ATOM 3551 OD2 ASP 1047 79,291 88,799 35,165 1,00 48,68 ATOM 3553 O ASP 1047 79,291 88,799 35,165 1,00 48,68 ATOM 3553 O ASP 1047 80,810 85,557 35,890 1,00 31,35 ATOM 3554 CB GLN 1048 79,862 85,810 38,431 1,00 31,35 ATOM 3555 CA GLN 1048 79,862 85,810 38,437 1,00 27,79 ATOM 3555 CG GLN 1048 79,862 85,810 38,437 1,00 27,71 ATOM 3556 CB GLN 1048 79,862 85,810 38,437 1,00 27,71 ATOM 3559 OE1 GLN 1048 78,862 85,810 38,431 1,00 38,83 ATOM 3559 OE1 GLN 1048 78,863 89,067 39,771 1,00 47,10 ATOM 3550 NEZ GLN 1048 78,803 88,305 40,879 1,00 49,42 ATOM 3560 NEZ GLN 1048 78,853 89,305 40,879 1,00 49,42 ATOM 3561 C GLN 1048 78,853 89,305 40,879 1,00 49,42 ATOM 3560 NEZ GLN 1048 79,468 81,21 33,785 1,00 38,83 ATOM 3561 C GLN 1048 79,468 81,21 33,785 1,00 29,30 ATOM 3561 C GLN 1048 79,468 81,21 33,785 1,00 29,30 ATOM 3560 NEZ GLN 1048 78,853 89,305 40,879 1,00 49,42 ATOM 3561 C GLN 1048 78,853 89,305 40,879 1,00 49,42 ATOM 3561 C GLN 1048 78,853 89,305 40,879 1,00 49,42 ATOM 3561 C GLN 1048 78,853 89,305 40,879 1,00 20,30 ATOM 3563 N VAL 1049 79,468 81,422 37,810 1,00 29,30 ATOM 3560 CG J NAL 1049 79,468 81,422 37,810 1,00 29,30 ATOM 3560 CG J NAL 1049 79,468 81,422 37,810 1,00 22,57 ATOM 3560 CG J NAL 1049 70,468 81,422 37,810 1,00 22,57 ATOM 3560 C GLN 1048 78,853 89,305 41,163 1,00 16,95 ATOM 3570 N ASP 1050 82,540 78,807 39,784 1,00 18,43 ATOM 3571 CA ASP 1050 82,540 78,807 39,784 1,00 18,43 ATOM 3578 N LEU 1051 80,877 78,889 39,493 1,00 10,0								38,189	1.00	23.80
ATOM 3542 CA ALA 1046 75,305 84,487 36,229 1,00 26,13										
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ATOM 3548 CB ASP 1047 78.923 88.779 33.923 1.00 38.14 ATOM 3549 CG ASP 1047 78.465 88.107 34.519 1.00 48.68 ATOM 3551 OD2 ASP 1047 77.279 88.467 34.319 1.00 28.88 ATOM 3551 OD2 ASP 1047 77.279 88.467 34.319 1.00 28.88 ATOM 3552 C ASP 1047 77.279 88.467 34.319 1.00 28.88 ATOM 3553 O ASP 1047 79.604 85.638 36.046 1.00 28.88 ATOM 3554 N GLN 1048 79.049 85.740 37.241 1.00 27.79 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3556 CB GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3556 CB GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3557 CG GLN 1048 78.208 89.067 39.771 1.00 47.10 ATOM 3559 OE1 GLN 1048 77.175 89.582 39.547 1.00 47.10 ATOM 3550 NE2 GLN 1048 77.175 89.582 39.547 1.00 49.42 ATOM 3561 C GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3563 N VAL 1049 79.466 82.120 39.220 1.00 19.66 ATOM 3566 CB VAL 1049 79.466 82.120 39.220 1.00 19.66 ATOM 3566 CG1 VAL 1049 78.456 81.196 38.736 1.00 19.77 ATOM 3566 CG2 VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3569 O VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3569 C VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 19.66 ATOM 3567 CG2 VAL 1049 78.365 81.96 39.998 1.00 19.66 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 19.34 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 19.67 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 22.57 ATOM 3567 CG2 VAL 1049 80.820 81.478 39.998 1.00 17.07 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 19.66 ATOM 3567 CG2 VAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3567 CG2 VAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3568 C D WAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3568 C D WAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3568 C D WAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3568 C D WAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3569 O WAL 1049 78.450 89.998 30.00 1.00 17.70 ATOM 3568 C D WAL 1049 78.450 89.998 30.00 30	ATOM	3546	N	ASP	1047	77.255	85.504	35.212	1.00	
ATOM 3548 CB ASP 1047 78.923 86.779 33.923 1.00 48.26 ATOM 3550 OD1 ASP 1047 78.465 88.107 34.519 1.00 46.25 ATOM 3551 OD2 ASP 1047 77.279 88.467 34.319 1.00 28.88 ATOM 3553 O ASP 1047 77.279 88.467 34.319 1.00 28.88 ATOM 3553 O ASP 1047 79.604 85.638 36.046 1.00 28.88 ATOM 3553 O ASP 1047 80.810 85.557 35.890 1.00 31.35 ATOM 3555 CA GLN 1048 79.499 85.740 37.241 1.00 27.79 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3556 CB GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3558 CD GLN 1048 78.268 89.067 39.711 1.00 31.21 ATOM 3558 CD GLN 1048 78.268 89.067 39.771 1.00 49.42 ATOM 3560 NE2 GLN 1048 78.953 89.305 40.879 1.00 38.83 ATOM 3561 C GLN 1048 78.953 89.305 40.879 1.00 52.51 ATOM 3560 NE2 GLN 1048 78.968 84.471 39.133 1.00 26.49 ATOM 3561 C GLN 1048 79.466 83.427 38.598 1.00 29.30 ATOM 3565 CB VAL 1049 79.466 83.427 39.220 1.00 19.66 ATOM 3566 CG1 VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3567 C ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3570 N ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3571 CA ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3576 C ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3577 CA ASP 1050 82.732 80.314 39.908 1.00 18.45 ATOM 3578 N LEU 1051 82.500 76.493 37.592 1.00 5.66 ATOM 3580 CB LEU 1051 82.944 76.698 39.452 1.00 18.43 ATOM 3581 CG LEU 1051 82.944 76.698 39.452 1.00 18.45 ATOM 3580 CB LEU 1051 82.944 76.698 39.452 1.00 18.28 ATOM 3580 CB LEU 1051 82.944 76.698 39.452 1.00 18.85 ATOM 3580 CG THR 1052 87.348 77.699 40.686 1.00 22.08 ATOM 3589 CG1 THR 1052 87.488 78.202 40.686 1.00 22.	ATOM	3547	CA	ASP	1047	78.666	85.586	34.851	1.00	31.33
ATOM 3549 CG ASP 1047 78.465 88.107 34.519 1.00 46.25 ATOM 3550 OD1 ASP 1047 77.279 88.467 34.319 1.00 50.20 ATOM 3551 OD2 ASP 1047 77.279 88.467 34.319 1.00 50.20 ATOM 3552 C ASP 1047 77.279 88.467 34.319 1.00 50.20 ATOM 3552 C ASP 1047 79.201 85.535 35.890 1.00 28.88 ATOM 3553 O ASP 1047 80.810 85.557 35.890 1.00 31.35 ATOM 3554 N GLN 1048 79.949 85.740 37.241 1.00 27.79 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3555 CB GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3557 CG GLN 1048 78.208 88.121 38.785 1.00 38.83 ATOM 3558 CD GLN 1048 78.208 89.067 39.711 1.00 47.10 ATOM 3559 OE1 GLN 1048 78.953 89.305 40.879 1.00 52.51 ATOM 3560 NE2 GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3561 C GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3562 O GLN 1048 80.688 84.393 40.165 1.00 29.30 ATOM 3564 CA VAL 1049 79.466 83.427 38.598 1.00 29.30 ATOM 3565 CB VAL 1049 78.468 82.120 39.220 1.00 19.66 ATOM 3565 CG VAL 1049 78.458 81.196 38.736 1.00 19.75 ATOM 3560 NE2 GLN 1049 78.458 81.196 38.736 1.00 22.37 ATOM 3560 NE2 GLN 1048 80.688 84.393 40.165 1.00 29.30 ATOM 3565 CB VAL 1049 78.458 81.196 38.736 1.00 19.75 ATOM 3565 CG VAL 1049 78.458 81.196 38.736 1.00 19.75 ATOM 3565 CG VAL 1049 80.809 81.474 38.998 1.00 19.76 ATOM 3567 CG2 VAL 1049 80.820 81.474 39.998 1.00 12.57 ATOM 3567 CG2 VAL 1049 80.820 81.478 38.9457 1.00 19.66 ATOM 3567 CG2 VAL 1049 80.820 81.478 38.945 1.00 12.57 ATOM 3570 N ASP 1050 81.437 80.964 39.998 1.00 17.07 ATOM 3571 CA ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3572 CB ASP 1050 82.540 80.954 39.998 1.00 18.437 ATOM 3573 CG ASP 1050 82.540 80.954 39.998 1.00 18.437 ATOM 3577 O ASP 1050 82.540 78.807 39.784 1.00 22.57 ATOM 3577 O ASP 1050 82.540 78.807 39.784 1.00 14.50 ATOM 3580 CB LEU 1051 80.057 78.231 38.700 1.00 16.95 ATOM 3580 CB LEU 1051 80.067 76.967 37.519 1.00 20.72 ATOM 3580 CB LEU 1051 80.067 76.967 37.519 1.00 20.72 ATOM 3580 CB LEU 1051 80.076 76.967 37.519 1.00 20.55 ATOM 3580 CG2 THR 1052 85.4871 76.699 40.4670 1.00 19.87 ATOM 3580 CG2 THR 1052 85.481 76.699 40.47					1047		86,779	33,923	1.00	38.14
ATOM 3550 OD1 ASP 1047 79.291 88.799 35.165 1.00 48.68 ATOM 3551 OD2 ASP 1047 77.279 88.467 34.319 1.00 50.20 ATOM 3553 O ASP 1047 79.604 85.638 36.046 1.00 28.88 ATOM 3553 O ASP 1047 80.810 85.557 35.890 1.00 31.35 ATOM 3554 N GLN 1048 79.498 85.740 37.241 1.00 27.71 ATOM 3555 CA GLN 1048 79.862 85.810 38.437 1.00 27.71 ATOM 3556 CB GLN 1048 78.903 88.121 38.785 1.00 38.83 ATOM 3558 CD GLN 1048 78.903 88.121 38.785 1.00 38.83 ATOM 3558 CD GLN 1048 77.175 89.582 39.547 1.00 47.10 ATOM 3550 NE2 GLN 1048 77.175 89.582 39.547 1.00 47.10 ATOM 3551 C GLN 1048 78.903 89.305 40.879 1.00 52.51 ATOM 3561 C GLN 1048 78.953 89.305 40.879 1.00 52.51 ATOM 3562 O GLN 1048 80.625 84.471 39.133 1.00 26.49 ATOM 3563 N VAL 1049 79.406 83.427 38.598 1.00 23.74 ATOM 3566 CB VAL 1049 79.406 83.427 38.598 1.00 23.74 ATOM 3566 CG GI VAL 1049 78.865 81.196 38.736 1.00 19.66 ATOM 3566 CG GI VAL 1049 77.014 81.850 39.003 1.00 19.67 ATOM 3569 O VAL 1049 80.820 81.478 38.9437 1.00 14.56 ATOM 3569 O VAL 1049 80.820 81.478 38.9437 1.00 14.56 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 22.34 ATOM 3568 C CG1 VAL 1049 80.820 81.478 38.945 1.00 19.62 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 12.134 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 12.134 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 12.134 ATOM 3567 CG2 VAL 1049 78.463 81.494 39.988 1.00 12.34 ATOM 3570 N ASP 1050 82.732 80.314 39.988 1.00 12.34 ATOM 3571 CA ASP 1050 82.732 80.314 39.982 1.00 12.34 ATOM 3577 O ASP 1050 82.540 78.807 39.784 1.00 14.56 ATOM 3578 CG BASP 1050 82.540 78.807 39.784 1.00 14.50 ATOM 3579 CA LEU 1051 82.944 76.792 38.483 1.00 17.50 ATOM 3580 CB LEU 1051 82.500 76.493 37.052 1.00 7.44 ATOM 3578 CG BASP 1050 82.540 78.807 39.784 1.00 14.50 ATOM 3580 CB LEU 1051 82.944 76.792 38.483 1.00 14.50 ATOM 3580 CB LEU 1051 83.053 78.231 38.700 1.00 17.50 ATOM 3581 CG LEU 1051 83.053 78.231 38.700 1.00 14.55 ATOM 3582 CD1 LEU 1051 83.053 78.231 38.700 1.00 14.50 ATOM 3589 CG2 THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3589 CG2 THR 1052 86.472 74.6										
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ATOM 3556 CB GLN 1048 78.207 86.797 39.411 1.00 31.21 ATOM 3557 CG GLN 1048 78.208 89.067 39.771 1.00 47.10 ATOM 3558 CD GLN 1048 78.208 89.067 39.771 1.00 47.10 ATOM 3559 OE1 GLN 1048 78.268 89.067 39.771 1.00 49.42 ATOM 3560 NE2 GLN 1048 78.953 89.305 40.879 1.00 52.51 ATOM 3561 C GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3562 O GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3563 N VAL 1049 79.406 83.427 38.598 1.00 23.74 ATOM 3566 CA VAL 1049 79.406 83.427 38.598 1.00 23.74 ATOM 3566 CB VAL 1049 79.406 82.120 39.220 1.00 19.66 ATOM 3566 CG1 VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 77.014 81.850 39.003 1.00 21.34 ATOM 3569 O VAL 1049 80.820 81.478 38.945 1.00 19.62 ATOM 3571 CA ASP 1050 81.437 80.964 39.998 1.00 18.17 ATOM 3571 CA ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3572 CB ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3573 CG ASP 1050 83.546 80.635 41.163 1.00 16.95 ATOM 3575 OD2 ASP 1050 83.546 80.635 41.163 1.00 16.95 ATOM 3577 O ASP 1050 83.546 80.635 41.163 1.00 16.95 ATOM 3577 O ASP 1050 82.540 78.807 39.988 1.00 22.72 ATOM 3578 N LEU 1051 82.540 78.807 39.784 39.992 1.00 26.67 ATOM 3578 N LEU 1051 82.540 78.807 39.784 1.00 18.43 ATOM 3577 O ASP 1050 81.944 78.173 40.662 1.00 20.72 ATOM 3578 N LEU 1051 82.540 78.807 39.784 1.00 18.43 ATOM 3578 N LEU 1051 82.540 78.807 39.784 1.00 18.43 ATOM 3578 N LEU 1051 82.540 78.807 39.784 1.00 18.43 ATOM 3578 N LEU 1051 82.540 78.807 39.784 1.00 18.43 ATOM 3580 CB LEU 1051 82.500 76.493 37.052 1.00 7.44 ATOM 3581 CG LEU 1051 80.076 76.967 37.519 1.00 20.72 ATOM 3588 CD LEU 1051 80.076 76.967 37.519 1.00 20.72 ATOM 3588 CD LEU 1051 80.076 76.967 37.519 1.00 20.55 ATOM 3588 CD LEU 1051 80.076 76.967 37.519 1.00 20.55 ATOM 3588 CD LEU 1051 80.076 76.967 37.519 1.00 20.55 ATOM 3588 CD LEU 1051 80.076 76.967 37.519 1.00 20.55 ATOM 3588 CD LEU 1051 80.076 76.967 37.519 1.00 20.55 ATOM 3589 OG1 THR 1052 85.831 76.620 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 85.833 74.667 41.489 1.00 20.87 ATOM 3589 OG2 THR 1052 86.488 74.6698 40.470 1.0	ATOM	3555	CA	GLN	1048	79.862	85.810	38.437	1.00	27.71
ATOM 3557 CG GLN 1048 78.900 88.121 38.785 1.00 38.83 ATOM 3558 CD GLN 1048 78.268 89.067 39.771 1.00 47.10 47.10 3559 OE1 GLN 1048 77.175 89.582 39.547 1.00 47.10 47.10 3550 NE2 GLN 1048 78.953 89.305 40.879 1.00 52.51 ATOM 3561 C GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3562 O GLN 1048 80.688 84.393 40.165 1.00 29.30 ATOM 3563 N VAL 1049 79.406 83.427 38.598 1.00 23.74 ATOM 3564 CA VAL 1049 79.406 83.427 38.598 1.00 19.66 ATOM 3565 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 77.014 81.850 39.003 1.00 21.34 ATOM 3568 C VAL 1049 80.820 81.478 38.9437 1.00 14.56 ATOM 3569 O VAL 1049 80.820 81.478 38.9437 1.00 19.62 ATOM 3570 N ASP 1050 81.437 80.964 39.998 1.00 18.17 ATOM 3571 CA ASP 1050 82.732 80.314 39.998 1.00 18.17 ATOM 3573 CG ASP 1050 82.732 80.314 39.998 1.00 18.17 ATOM 3573 CG ASP 1050 82.546 80.635 41.163 1.00 12.248 ATOM 3576 C ASP 1050 83.546 80.635 41.163 1.00 22.48 ATOM 3576 C ASP 1050 83.546 80.635 41.163 1.00 18.43 ATOM 3576 C ASP 1050 83.546 80.635 41.163 1.00 22.48 ATOM 3576 C ASP 1050 83.546 80.635 41.163 1.00 18.43 ATOM 3577 O ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3577 O ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3578 C ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3578 C ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3578 C ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3578 C ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3578 C ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3578 C ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3578 C ASP 1050 83.546 80.635 41.163 1.00 15.67 ATOM 3578 C ASP 1050 83.546 80.635 41.163 1.00 15.65 ATOM 3578 C ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3578 C ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3578 C ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3578 C ASP 1050 85.453 79.784 39.992 1.00 26.67 ATOM 3588 C B LEU 1051 82.500 76.693 39.784 1.00 17.50 ATOM 3588 C B LEU 1051 80.076 76.967 37.519 1.00 3.50 ATOM 3588 C B LEU 1051 80.076 76.967 37.519 1.00 3.50 ATOM 358				GLN	1048	79.237	86.797	39.411	1.00	31.21
ATOM 3558 CD GLN 1048 78.268 89.067 39.771 1.00 47.10 ATOM 3559 OE1 GLN 1048 77.175 89.582 39.547 1.00 49.42 ATOM 3550 NE2 GLN 1048 78.953 89.305 40.879 1.00 52.51 ATOM 3561 C GLN 1048 80.025 84.471 39.133 1.00 26.49 ATOM 3562 O GLN 1048 80.688 84.393 40.165 1.00 29.30 ATOM 3563 N VAL 1049 79.466 83.427 88.598 1.00 23.74 ATOM 3564 CA VAL 1049 79.466 82.120 39.220 1.00 19.66 ATOM 3565 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 77.014 81.850 39.003 1.00 21.34 ATOM 3568 C VAL 1049 77.014 81.850 39.003 1.00 21.34 ATOM 3568 C VAL 1049 80.820 81.478 38.945 1.00 19.62 ATOM 3570 N ASP 1050 81.437 80.964 39.998 1.00 18.17 ATOM 3571 CA ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3572 CB ASP 1050 83.546 80.635 41.163 1.00 16.95 ATOM 3573 CG ASP 1050 85.453 79.784 39.982 1.00 22.48 ATOM 3575 OD2 ASP 1050 85.643 79.784 39.982 1.00 22.48 ATOM 3576 C ASP 1050 85.453 79.784 39.982 1.00 22.48 ATOM 3577 O ASP 1050 85.453 79.784 39.982 1.00 22.48 ATOM 3578 N LEU 1051 83.053 78.231 38.700 1.00 17.50 ATOM 3579 CA LEU 1051 83.053 78.231 38.700 1.00 17.50 ATOM 3580 CB LEU 1051 82.904 76.792 38.483 1.00 14.50 ATOM 3583 CD2 LEU 1051 82.904 76.993 37.652 1.00 7.44 ATOM 3583 CD2 LEU 1051 80.887 76.556 35.188 1.00 14.50 ATOM 3588 C DI LEU 1051 80.887 76.556 35.188 1.00 15.17 ATOM 3588 CB LEU 1051 80.887 76.556 35.188 1.00 14.50 ATOM 3588 CB LEU 1051 80.887 76.556 38.883 1.00 14.50 ATOM 3588 CB LEU 1051 80.887 76.556 35.188 1.00 15.17 ATOM 3588 CD LEU 1051 80.887 76.566 38.8483 1.00 14.50 ATOM 3588 CD LEU 1051 80.887 76.569 39.452 1.00 18.28 ATOM 3588 CD LEU 1051 80.887 76.566 38.8483 1.00 14.50 ATOM 3588 CD LEU 1051 80.887 76.566 38.8483 1.00 14.50 ATOM 3580 CB LEU 1051 80.887 76.566 38.8483 1.00 14.50 ATOM 3581 CD LEU 1051 80.887 76.566 38.8483 1.00 14.50 ATOM 3580 CB LEU 1051 80.887 76.566 39.452 1.00 18.28 ATOM 3580 CB LEU 1051 80.887 76.566 39.452 1.00 18.28 ATOM 3580 CG LEU 1051 80.887 76.566 39.452 1.00 18.28 ATOM 3580 CG LEU 1051 80.887 76.566 39.452 1										
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ATOM 3564 CA VAL 1049 79.486 82.120 39.220 1.00 19.66 ATOM 3565 CB VAL 1049 78.365 81.196 38.736 1.00 19.77 ATOM 3566 CG1 VAL 1049 78.453 79.838 39.437 1.00 14.56 ATOM 3567 CG2 VAL 1049 77.014 81.850 39.003 1.00 21.34 ATOM 3568 C VAL 1049 80.820 81.478 38.945 1.00 19.62 ATOM 3569 O VAL 1049 81.276 81.442 37.810 1.00 22.57 ATOM 3570 N ASP 1050 81.437 80.964 39.998 1.00 18.17 ATOM 3571 CA ASP 1050 82.732 80.314 39.908 1.00 17.07 ATOM 3573 CG ASP 1050 82.542 80.314 39.908 1.00 17.07 ATOM 3574 CA ASP 1050 85.453 79.784 39.982 1.00 26.67 ATOM 3575 OD2 ASP 1050 85.654 80.635 41.163 1.00 16.95 ATOM 3576 C ASP 1050 85.453 79.784 39.982 1.00 26.67 ATOM 3577 O ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3577 O ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3579 CA LEU 1051 82.540 78.807 39.784 1.00 18.43 ATOM 3579 CA LEU 1051 82.944 76.792 38.483 1.00 14.50 ATOM 3580 CB LEU 1051 82.944 76.792 38.483 1.00 14.50 ATOM 3581 CG LEU 1051 82.944 76.792 38.483 1.00 14.50 ATOM 3583 CD2 LEU 1051 80.887 76.556 37.519 1.00 5.31 ATOM 3585 O LEU 1051 84.244 76.035 38.768 1.00 15.17 ATOM 3585 O LEU 1051 84.392 74.894 38.344 1.00 14.20 ATOM 3588 CB THR 1052 85.483 76.659 39.772 1.00 20.55 ATOM 3589 OG1 THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3591 C THR 1052 85.483 74.677 41.489 1.00 20.43	ATOM	3563	N	VAL	1049	79.406	83.427	38.598	1.00	23.74
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ATOM 3573 CG ASP 1050 84.989 80.170 41.078 1.00 22.48 ATOM 3574 OD1 ASP 1050 85.453 79.784 39.982 1.00 26.67 ATOM 3575 OD2 ASP 1050 85.674 80.196 42.119 1.00 26.60 ATOM 3576 C ASP 1050 82.540 78.807 39.784 1.00 18.43 ATOM 3577 O ASP 1050 81.944 78.173 40.662 1.00 20.72 ATOM 3578 N LEU 1051 83.053 78.231 38.700 1.00 17.50 ATOM 3579 CA LEU 1051 82.944 76.792 38.483 1.00 14.50 ATOM 3580 CB LEU 1051 82.500 76.493 37.052 1.00 7.44 ATOM 3581 CG LEU	ATOM	3572	CB	ASP	1050	83.546	80.635	41.163	1.00	16.95
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ATOM 3582 CD1 LEU 1051 80.887 76.556 35.188 1.00 4.75 ATOM 3583 CD2 LEU 1051 80.076 76.967 37.519 1.00 3.50 ATOM 3584 C LEU 1051 84.244 76.035 38.768 1.00 15.17 ATOM 3585 O LEU 1051 84.392 74.894 38.344 1.00 14.20 ATOM 3586 N THR 1052 85.194 76.669 39.452 1.00 18.28 ATOM 3587 CA THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR <	ATOM	3580	CB	LEU	1051	82.500	76.493	37.052	1.00	7.44
ATOM 3582 CD1 LEU 1051 80.887 76.556 35.188 1.00 4.75 ATOM 3583 CD2 LEU 1051 80.076 76.967 37.519 1.00 3.50 ATOM 3584 C LEU 1051 84.244 76.035 38.768 1.00 15.17 ATOM 3585 O LEU 1051 84.392 74.894 38.344 1.00 14.20 ATOM 3586 N THR 1052 85.194 76.669 39.452 1.00 18.28 ATOM 3587 CA THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR <	ATOM	3581	CG	LEU	1051	81.227	77.157	36.539	1.00	5.31
ATOM 3583 CD2 LEU 1051 80.076 76.967 37.519 1.00 3.50 ATOM 3584 C LEU 1051 84.244 76.035 38.768 1.00 15.17 ATOM 3585 O LEU 1051 84.392 74.894 38.344 1.00 14.20 ATOM 3586 N THR 1052 85.194 76.669 39.452 1.00 18.28 ATOM 3587 CA THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
ATOM 3584 C LEU 1051 84.244 76.035 38.768 1.00 15.17 ATOM 3585 O LEU 1051 84.392 74.894 38.344 1.00 14.20 ATOM 3586 N THR 1052 85.194 76.669 39.452 1.00 18.28 ATOM 3587 CA THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
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ATOM 3586 N THR 1052 85.194 76.669 39.452 1.00 18.28 ATOM 3587 CA THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
ATOM 3587 CA THR 1052 86.468 76.017 39.772 1.00 20.55 ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
ATOM 3588 CB THR 1052 87.351 76.892 40.686 1.00 22.00 ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
ATOM 3589 OG1 THR 1052 87.488 78.202 40.115 1.00 16.85 ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43	ATOM	3588	СВ	THR	1052	87.351	76.892	40.686	1.00	22.00
ATOM 3590 CG2 THR 1052 88.731 76.270 40.827 1.00 19.87 ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43	ATOM	3589	OG1	THR			78.202			
ATOM 3591 C THR 1052 86.172 74.698 40.470 1.00 20.87 ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
ATOM 3592 O THR 1052 85.483 74.677 41.489 1.00 20.43										
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ATOM 3000 N SER 1000 00.701 /3.000 39.922 1.00 23.45										
	AT ON	JJ33	14	JER	1033	00.701	13.000	39.922	1.00	∠3.43

ATOM	3594	CA	SER	1053	86.453	72.273	40.460	1.00	24.39
ATOM	3595	СВ	SER	1053	85.559	71.492	39.496	1.00	25.65
ATOM	3596	OG	SER	1053	84.344	72.178	39.258	1.00	28.54
ATOM	3597	c	SER	1053	87.705	71.455	40.726	1.00	25.65
ATOM	3598	ŏ	SER	1053	88.673	71.514	39.965	1.00	26.93
ATOM	3599	N	ALA	1054	87.663	70.664	41.796	1.00	24.99
ATOM	3600	CA	ALA	1054	88.775	69.799	42.170	1.00	22.41
		CB	ALA	1054	88.768	69.564	43.664	1.00	21.17
ATOM	3601 3602	C	ALA	1054	88.636	68.472	41.438	1.00	22.07
MOTA		0	ALA	1054	87.684	67.729	41.678	1.00	24.02
ATOM	3603		LEU	1054	89.562	68.192	40.527	1.00	21.30
ATOM	3604	N			89.544	66.943	39.764	1.00	20.33
ATOM	3605	CA	LEU	1055		67.057		1.00	17.85
ATOM	3606	CB	LEU	1055	90.431		38.514		
ATOM	3607	CG	LEU	1055	90.570	65.821	37.621	1.00	14.28
ATOM	3608	CD1	LEU	1055	89.285	65.584	36.870	1.00	14.74
ATOM	3609	CD2	LEU	1055	91.691	66.013	36.637	1.00	15.53
ATOM	3610	C	LEU	1055	90.037	65.793	40.641	1.00	20.19
ATOM	3611	0	LEU	1055	89.503	64.680	40.590	1.00	18.90
ATOM	3612	N	THR	1056	91.072	66.069	41.427	1.00	20.07
ATOM	3613	CA	THR	1056	91.663	65.082	42.316	1.00	19.85
ATOM	3614	CB	THR	1056	92.894	64.409	41.683	1.00	18.25
ATOM	3615	OG1	THR	1056	93.885	65.401	41.397	1.00	19.25
ATOM	3616	CG2	THR	1056	92.531	63.690	40.403	1.00	14.77
ATOM	3617	С	THR	1056	92.131	65.838	43.540	1.00	20.51
ATOM	3618	0	THR	1056	91.976	67.058	43.604	1.00	21.19
ATOM	3619	N	LYS	1057	92.722	65.128	44.497	1.00	21.94
ATOM	3620	CA	LYS	1057	93.220	65.761	45.714	1.00	23.37
ATOM	3621	CB	LYS	1057	93.972	64.764	46.588	1.00	21.65
ATOM	3622	CG	LYS	1057	93.112	63.737	47.272	1.00	19.15
ATOM	3623	CD	LYS	1057	93.705	63.415	48.622	1.00	17.97
ATOM	3624	CE	LYS	1057	93.180	62.105	49.138	1.00	27.69
ATOM	3625	NZ	LYS	1057	93.665	60.994	48.278	1.00	36.74
ATOM	3626	C	LYS	1057	94.142	66.935	45.423	1.00	26.24
ATOM	3627	Ö	LYS	1057	94.125	67.929	46.146	1.00	27.88
ATOM	3628	Ň	LYS	1058	94.956	66.818	44.375	1.00	28.24
ATOM	3629	CA	LYS	1058	95.876	67.890	44.021	1.00	28.47
ATOM	3630	CB	LYS	1058	97.334	67.441	44.196	1.00	31.38
ATOM	3631	CG	LYS	1058	97.711	67.172	45.662	1.00	35.79
ATOM '	3632	CD	LYS	1058	99.219	67.048	45.876	1.00	41.70
ATOM	3633	CE	LYS	1058	99.818	65.871	45.107	1.00	45.88
ATOM	3634	NZ	LYS	1058	101.284	65.717	45.357	1.00	48.09
ATOM	3635	C	LYS	1058	95.647	68.564	42.663	1.00	27.92
ATOM	3636	ŏ	LYS	1058	96.298	69.560	42.352	1.00	29.57
ATOM	3637	N	ILE	1058	94.732	68.040	42.332 41.852		
				1059	94.732	68.674		1.00	26.71
ATOM	3638	CA	ILE				40.570	1.00	24.61
ATOM	3639	CB	ILE	1059	94.403	67.678	39.404	1.00	20.79
ATOM	3640	CG2	ILE	1059	93.915	68.372	38.142	1.00	22.24
ATOM	3641	CG1	ILE	1059	95.800	67.113	39.159	1.00	21.03
ATOM	3642	CD1	ILE	1059	95.930	66.308	37.874	1.00	19.39
ATOM	3643	C	ILE	1059	93.095	69.415	40.656	1.00	25.03
ATOM	3644	0	ILE	1059	92.101	68.866	41.137	1.00	24.20
ATOM	3645	N	THR	1060	93.092	70.656	40.171	1.00	24.97
ATOM	3646	CA	THR	1060	91.924	71.540	40.174	1.00	24.93
ATOM	3647	СВ	THR	1060	92.113	72.671	41.220	1.00	22.96
ATOM	3648	OG1	THR	1060	92.137	72.118	42.541	1.00	26.30
ATOM	3649	CG2	THR	1060	91.001	73.692	41.134	1.00	21.60
ATOM	3650	C	THR	1060	91.789	72.193 ·	38.795	1.00	25.85
ATOM	3651	0	THR	1060	92.780	72.660	38.235	1.00	29.42

ATOM	3652	2 N	LEU	100	61 90.578	72.230	20.054		
ATOM	3653		LEU	100			38.251 36.945	1.00	
ATOM	3654		LEU	106			36.052	1.00 1.00	
ATOM	3655	CG	LEU	106			35.971	1.00	
ATOM	3656		1 LEU	106			35.447	1.00	
ATOM	3657			106			35.085	1.00	
ATOM	3658		LEU	106	89.480		37.115	1.00	
ATOM	3659		LEU	106			38.171	1.00	
ATOM	3660		LYS	106		74.867	36.061	1.00	
ATOM	3661	CA	LYS	106		76.078	36.093	1.00	25.75
ATOM ATOM	3662		LYS	106		77.063	35.008	1.00	30.52
ATOM	3663 3664	CG CD	LYS	106		77.540	35.142	1.00	34.98
ATOM	3665	CE	LYS LYS	106		78.567	36.249	1.00	35.68
ATOM	3666	NZ	LYS	106 106		78.787	36.548	1.00	40.74
ATOM	3667	C	LYS	106		79.256	35.378	1.00	40.68
ATOM	3668	-0	LYS	106		75.714 76.534	35.884	1.00	25.76
ATOM	3669	Ň	THR	106		74.503	36.111 35.386	1.00	28.56
ATOM	3670	CA	THR	1063		74.007	35.366 35.154	1.00	26.18
ATOM	3671	СВ	THR	1063		74.068	33.657	1.00 1.00	24.51
ATOM	3672	OG1	THR	1063		73.022	32.945	1.00	22.57
ATOM	3673	CG2	THR	1063		75.409	33.054	1.00	24.96 19.73
ATOM	3674	С	THR	1063		72.547	35.628	1.00	23.22
ATOM	3675	0	THR	1063		71.909	35.888	1.00	24.35
ATOM	3676	N	PRO	1064		72.011	35.781	1.00	20.91
ATOM ATOM	3677	CD	PRO	1064		72.709	35.907	1.00	19.27
ATOM	3678	CA	PRO	1064		70.623	36.234	1.00	18.80
ATOM	3679 3680	CB CG	PRO	1064		70.658	37.087	1.00	16.86
ATOM	3681	C	PRO PRO	1064		71.608	36.332	1.00	17.27
ATOM	3682	ŏ	PRO	1064		69.618	35.086	1.00	18.82
ATOM	3683	Ň	LEU	1064 1065		68.464	35.310	1.00	21.11
ATOM	3684	CA	LEU	1065		70.034 69.176	33.870	1.00	17.47
ATOM	3685	СВ	LEU	1065		70.038	32.711	1.00	13.63
ATOM	3686	CG	LEU	1065	82.675	71.127	31.507 31.834	1.00	16.00
ATOM	3687	CD1	LEU	1065	82.457	72.076	30.657	1.00 1.00	15.86
ATOM	3688	CD2	LEU	1065	81.370	70.476	32.267	1.00	13.35 .12.21
ATOM	3689	С	LEU	1065	85.308	68.303	32.410	1.00	15.32
ATOM	3690	0	LEU	1065	86.440	68.778	32.304	1.00	15.30
ATOM	3691	N	VAL	1066	85.036	67.018	32.233	1.00	17.58
ATOM ATOM	3692	CA	VAL	1066	86.052	66.003	31.962	1.00	17.87
ATOM	3693 3694	CB CC1	VAL	1066	86.165	65.019	33.179	1.00	18.83
ATOM	3695	CG1 CG2	VAL	1066	87.154	63.908	32.889	1.00	18.72
ATOM	3696	C	VAL VAL	1066	86.556	65.763	34.447	1.00	19.44
ATOM	3697	ŏ	VAL	1066 1066	85.579	65.177	30.767	1.00	18.45
ATOM	3698	Ň	SER	1067	84.395 86.470	64.849	30.686	1.00	20.05
ATOM	3699	CA	SER	1067	86.059	64.856 64.027	29.834	1.00	18.12
ATOM	3700	СВ	SER	1067	86.741	64.447	28.709	1.00	19.04
ATOM	3701	OG	SER	1067	88.120	64.138	27.401 27.393	1.00	17.98
ATOM	3702	С	SER	1067	86.343	62.564	29.060	1.00 1.00	24.06
ATOM	3703	0	SER	1067	87.329	62.249	29.739	1.00	19.98
ATOM	3704	N	SER	1068	85.432	61.688	28.651	1.00	19.91 20.10
ATOM	3705	CA	SER	1068	85.535	60.264	28.925	1.00	20.10
ATOM	3706 3707	СВ	SER	1068	84.174	59.597	28.708	1.00	24.52
ATOM ATOM	3707	og	SER	1068	84.224	58.192	28.931	1.00	26.68
ATOM	3708 3709	C O	SER	1068	86.569	59.557	28.081	1.00	20.17
• • • • • • • • • • • • • • • • •	J1 U3	9	SER	1068	86.617	59.743	26.865	1.00	21.59

ATOM	3710	Ν	PRO	106	9 87.392	58.706	28.710	1.00	19.67
ATOM	3711	CD	PRO	106		58.496	30.167	1.00	18.49
ATOM	3712	CA	PRO	106		57.953	28.009	1.00	18.30
ATOM	3713	СВ	PRO	106		57.373	29.158	1.00	17.03
ATOM	3714	CG	PRO	106		57.203	30.248	1.00	15.39
ATOM	3715	c	PRO	106		56.852	27.153	1.00	20.15
ATOM	3716	Ö	PRO	106					
ATOM	3717			100		55.707	27.588	1.00	22.07
		N	MET			57.209	25.948	1.00	20.29
ATOM	3718	CA	MET	1070		56.254	25.035	1.00	20.57
ATOM	3719	CB	MET	1070		56.423	25.053	1.00	20.27
ATOM	3720	CG	MET	1070		56.059	26.379	1.00	21.67
ATOM	3721	SD	MET	1070		56.473	26.451	1.00	21.01
ATOM	3722	CE	MET	1070		55.085	25.547	1.00	20.49
ATOM	3723	C	MET	1070		56.501	23.641	1.00	22.45
ATOM	3724	0	MET	1070		57.650	23.261	1.00	20.92
ATOM	3725	N	ASP	1071		55.432	22.867	1.00	24.82
ATOM	3726	CA	ASP	1071		55.573	21.533	1.00	25.66
ATOM	3727	СВ	ASP	1071		54.216	20.894	1.00	27.27
ATOM	3728	CG	ASP	1071	87.308	53.226	20.881	1.00	31.83
ATOM	3729	OD1	ASP	1071	86.158	53.615	20.588	1.00	37.06
ATOM	3730	OD2	ASP	1071	87.574	52.035	21.143	1.00	33.11
ATOM	3731	С	ASP	1071	87.367	56.478	20.549	1.00	24.21
ATOM	3732	0	ASP	1071	87.972	56.939	19.587	1.00	25.35
ATOM	3733	N	THR	1072		56.752	20.797	1.00	24.00
ATOM	3734	CA	THR	1072		57.638	19.924	1.00	22.90
ATOM	3735	СВ	THR	1072		56.961	19.415	1.00	19.61
ATOM	3736	OG1	THR	1072		56.592	20.524	1.00	16.40
ATOM	3737	CG2	THR	1072	84.378	55.728	18.621	1.00	18.17
ATOM	3738	c	THR	1072	84.980	58.947	20.641	1.00	23.02
ATOM	3739	ŏ	THR	1072	84.010	59.624	20.289	1.00	24.03
ATOM	3740	Ň	VAL	1073	85.766	59.292	21.658	1.00	22.41
ATOM	3741	CA	VAL	1073	85.529	60.510	22.420	1.00	21.20
ATOM	3742	СВ	VAL	1073	84.752	60.229	23.741	1.00	
ATOM	3743	CG1	VAL	1073	84.571	61.504	24.535		19.24
ATOM	3744	CG2	VAL	1073	83.394	59.641		1.00	17.63
ATOM	3745	C	VAL	1073	86.823	61.232	23.452	1.00	16.74
ATOM	3746	Ö	VAL	1073	86.969	62.417	22.764	1.00	22.61
ATOM	3747	N	THR	1073			22.477	1.00	22.14
ATOM	3748	CA	THR	1074	87.793 89.025	60.516	23.318	1.00	24.79
ATOM	3749	СВ	THR	1074		61.187	23.708	1.00	26.86
ATOM	37 5 0	OG1			89.104	61.359	25.247	1.00	29.38
			THR	1074	87.865	61.893	25.735	1.00	32.73
ATOM	3751 3752	CG2	THR	1074	90.217	62.324	25.622	1.00	30.82
ATOM		C	THR	1074	90.370	60.686	23.199	1.00	26.15
	3753	0	THR	1074	90.750	59.529	23.380	1.00	25.91
ATOM	3754	N	GLU	1075	91.091	61.622	22.595	1.00	28.59
ATOM	3755	CA	GLU	1075	92.431	61.443	22.059	1.00	31.08
ATOM	3756	СВ	GLU	1075	92.402	60.912	20.627	1.00	30.41
ATOM	3757	CG	GLU	1075	92.244	59.400	20.558	1.00	29.53
ATOM .	3758	CD	GLU	1075	92.481	58.825	19.178	1.00	30.14
ATOM	3759	OE1	GLU	1075	92.098	57.659	18.958	1.00	32.49
ATOM	3760	OE2	GLU	1075	93 059	59.519	18.314	1.00	33.89
ATOM	3761	C	GLU	1075	93.065	62.833	22.121	1.00	34.13
ATOM	3762	0	GLU	1075	92.462	63.751	22.683	1.00	36.70
ATOM	3763	N	ALA	1076	94.251	63.002	21.538	1.00	35.59
ATOM	3764	CA	ALA	1076	94.956	64.292	21.570	1.00	35.10
ATOM	3765	СВ	ALA	1076	96.151	64.275	20.620	1.00	35.89
ATOM	3766	С	ALA	1076	94.100	65.532	21.319	1.00	34.42
ATOM	3767	0	ALA	1076	93.986	66.389	22.194	1.00	34.97

4.7014	0700		01.14	4077	00.400	05.040	20.444	4.00	24.40
ATOM	3768	N	GLY	1077		65.613	20.144	1.00	34.10
ATOM	3769	CA	GLY	1077		66.763	19.810	1.00	34.49
ATOM	3770	С	GLY	1077	91.655	67.146	20.886	1.00	35.44
ATOM	3771	0	GLY	1077	91.574	68.314	21.278	1.00	35.30
ATOM	3772	N	MET	1078	90.895	66.159	21.356	1.00	35.00
ATOM	3773	CA	MET	1078		66.361	22.400	1.00	32.60
ATOM	3774	СВ	MET	1078	89.122	65.060	22.650	1.00	30.21
ATOM	3775	CG	MET	1078	88.115	65.119	23.787	1.00	23.97
ATOM	3776	SD	MET	1078	86.729	66.180	23.420	1.00	22.65
ATOM	3777	CE	MET	1078	85.882	65.186	22.153	1.00	13.83
ATOM	3778	C	MET	1078	90.562	66.806	23.691	1.00	32.54
ATOM	3779	ŏ	MET	1078	90.281	67.890	24.205	1.00	33.25
ATOM	3780	N	ALA	1079	91.473	65.975	24.191	1.00	29.80
ATOM	3781	CA	ALA	1079	92.185	66.264	25.426	1.00	26.90
ATOM	3782	CB	ALA	1079	93.312	65.272	25.625	1.00	25.36
ATOM	3783	С	ALA	1079	92.719	67.686	25.411	1.00	26.03
ATOM	3784	0	ALA	1079	92.675	68.385	26.426	1.00	25.26
ATOM	3785	N	ILE	1080	93.163	68.132	24.238	1.00	26.03
ATOM	3786	CA	ILE	1080	93.696	69.481	24.082	1.00	25.73
ATOM	3787	СВ	ILE	1080	94.486	69.632	22.761	1.00	23.56
ATOM	3788	CG2	ILE	1080	94.898	71.086	22.540	1.00	22.24
ATOM	3789	CG1	ILE	1080	95.740	68.763	22.810	1.00	21.45
MOTA	3790	CD1	ILE	1080	96.565	68.809	21.554	1.00	22.68
ATOM	3791	С	ILE	1080	92.587	70.530	24.154	1.00	26.48
ATOM	3792	0	ILE	1080	92.645	71.444	24.979	1.00	25.96
ATOM	3793	N	ALA	1081	91.559	70.369	23.323	1.00	27.21
ATOM	3794	CA	ALA	1081	90.438	71.305	23.285	1.00	25.13
ATOM	3795	СВ	ALA	1081	89.422	70.866	22.240	1.00	23.36
ATOM	3796	c	ALA	1081	89.778	71.410	24.652	1.00	25.14
ATOM	3797	ŏ	ALA	1081	89.335	72.484	25.064	1.00	26.40
ATOM	3798	N	MET	1082	89.762	70.295	25.369	1.00	25.59
ATOM	3799	CA	MET	1082	89.162	70.232	26.691	1.00	26.26
ATOM	3800	СВ	MET	1082	89.051	68.771	27.146	1.00	27.01
ATOM	3801	CG	MET	1082	87.856	68.464	28.048	1.00	28.65
ATOM	3802	SD	MET	1082	86.249	68.526	27.203	1.00	26.79
ATOM	3803	CE	MET	1082	85.315	69.478	28.353	1.00	23.90
ATOM	3804	С	MET	1082	89.992	71.056	27.675	1.00	25.81
ATOM	3805	Ö	MET	1082	89.442	71.851	28.434	1.00	26.89
ATOM	3806	N	ALA	1083	91.314	70.913	27.624	1.00	25.36
ATOM									
	3807	CA	ALA	1083	92.195	71.663	28.519	1.00	23.07
ATOM	3808	СВ	ALA	1083	93.594	71.105	28.472	1.00	19.47
ATOM	3809	С	ALA	1083	92.217	73.158	28.205	1.00	24.00
ATOM	3810	0	ALA	1083	92.330	73.990	29.107	1.00	23.89
ATOM	3811	N	LEU	1084	92.117	73.508	26.927	1.00	24.04
ATOM	3812	CA	LEU	1084	92.133	74.913	26.550	1.00	21.88
ATOM	3813	CB	LEU	1084	92.278	75.092	25.031	1.00	20.51
ATOM	3814	CG	LEU	1084	93.621	74.803	24.333	1.00	17.98
ATOM	3815	CD1	LEU	1084	93.489	75.021	22.834	1.00	
				1084					10.91
ATOM	3816	CD2	LEU		94.728	75.687	24.892	1.00	16.24
ATOM	3817	C	LEU	1084	90.872	75.603	27.038	1.00	23.28
ATOM	3818	0	LEU	1084	90.939	76.749	27.472	1.00	24.38
ATOM	3819	N	THR	1085	89.738	74.897	27.009	1.00	23.36
ATOM	3820	CA	THR	1085	88.458	75.477	27.433	1.00	22.95
ATOM	3821	CB	THR	1085	87.267	74.937	26.604	1.00	20.99
ATOM	3822	OG1	THR	1085	87.256	73.508	26.631	1.00	25.05
ATOM	3823	CG2	THR	1085	87.370	75.410	25.176	1.00	16.76
ATOM	3824	C	THR	1085	88.117	75.425	28.921	1.00	23.92
ATOM	3825	ŏ	THR	1085	87.077	75. 42 5 75.954	29.342	1.00	25.92 25.16
/ CON	3023	J	11.07	1000	37.077	10.304	23.34Z	1.00	25, 10

ATOM	3826	N	GLY	108	86 88.973	74.791	29.716	1.00	24.05
ATOM	3827		GLY	108			31.150	1.00 1.00	
ATOM	3828		GLY	108	·· - ·		31.835	1.00	26.30 25.84
ATOM	3829		GLY	108			33.063	1.00	25.64 26.47
ATOM	3830		GLY	108			31.057	1.00	25.34
ATOM	3831	CA	GLY	108		71.013	31.641	1.00	23.34 24.99
ATOM	3832	С	GLY	108		70.212	31.406	1.00	24.93
ATOM	3833	0	GLY	108		70.761	31.358	1.00	23.72
ATOM	3834	Ν	ILE	108		68.908	31.244	1.00	23.72
ATOM	3835	CA	ILE	108		68.007	31.006	1.00	23.77
ATOM	3836	СВ	ILE	108		67.582	32.352	1.00	20.71
ATOM	3837	CG2		108		66.669	33.153	1.00	20.78
ATOM	3838	CG1	ILE	108		66.886	32.090	1.00	17.22
ATOM	3839	CD1	ILE	1088		66.593	33.353	1.00	5.96
ATOM	3840	С	ILE	1088		66.799	30.283	1.00	22.59
ATOM	3841	0	ILE	1088		66.605	30.281	1.00	22.13
ATOM	3842	Ν	GLY	1089		66.023	29.630	1.00	22.64
ATOM	3843	CA	GLY	1089		64.853	28.912	1.00	21.60
ATOM	3844	С	GLY	1089		63.622	29.250	1.00	22.41
ATOM	3845	0	GLY	1089		63.728	29.697	1.00	22.07
ATOM	3846	N	PHE	1090	90.702	62.449	29.068	1.00	22.64
ATOM	3847	CA	PHE	1090	91.403	61.215	29.350	1.00	22.39
ATOM	3848	CB	PHE	1090	90.668	60.425	30.423	1.00	24.55
ATOM	3849	CG	PHE	1090		61.026	31.782	1.00	27.69
ATOM	3850	CD1	PHE	1090		62.032	32.181	1.00	28.68
ATOM	3851	CD2	PHE	1090		60.616	32.658	1.00	26.87
ATOM	3852	CE1	PHE	1090		62.628	33.439	1.00	29.16
ATOM	3853	CE2	PHE	1090		61.207	33.917	1.00	26.20
ATOM	3854	CZ	PHE	1090		62.214	34.304	1.00	28.03
ATOM	3855	C	PHE	1090	-	60.380	28.096	1.00	22.82
ATOM	3856	0	PHE	1090		59.940	27.511	1.00	23.69
ATOM	3857	N	ILE	1091	92.816	60.191	27.668	1.00	21.96
ATOM	3858	CA	ILE	1091	93.114	59.394	26.480	1.00	20.77
ATOM ATOM	3859	CB	ILE	1091	94.633	59.423	26.128	1.00	19.10
ATOM	3860	CG2	ILE	1091	94.892	58.635	24.846	1.00	15.49
ATOM	3861	CG1	ILE	1091	95.147	60.867	25.999	1.00	13.00
ATOM	3862 3863	CD1	ILE	1091	94.662	61.607	24.779	1.00	9.34
ATOM	3864	С О	ILE	1091	92.722	57.950	26.795	1.00	20.88
ATOM	3865	N	ILE	1091	92.958	57.464	27.907	1.00	21.15
ATOM	3866	CA	HIS	1092	92.101	57.276	25.832	1.00	21.96
ATOM	3867	CB	HIS HIS	1092	91.686	55.882	26.019	1.00	23.97
ATOM	3868	CG	HIS	1092	90.613	55.492	24.994	1.00	23.05
ATOM	3869	CD2	HIS	1092 1092	91.114	55.427	23.584	1.00	18.52
ATOM	3870	ND1	HIS	1092	91.563	54.381	22.849	1.00	13.17
ATOM	3871	CE1	HIS	1092	91.196	56.534	22.768	1.00	15.63
ATOM	3872	NE2	HIS	1092	91.672 91.908	56.173	21.592	1.00	14.27
ATOM	3873	C	HIS	1092	92.887	54.873 54.946	21.614	1.00	12.20
ATOM	3874	Ö	HIS	1092	93.957		25.895	1.00	25.60
ATOM	3875	Ň	HIS	1092	92.708	55.369 53.675	25.467	1.00	28.13
ATOM	3876	CA	HIS	1093	93.805		26.242	1.00	26.03
ATOM	3877	СВ	HIS	1093	94.247	52.715 52.205	26.139 27.515	1.00	27.95
ATOM	3878	CG	HIS	1093	93.231	51.358	27.515	1.00	29.78
ATOM	3879	CD2	HiS	1093	93.243	50.043	28.218 28.548	1.00	33.05
ATOM	3880	ND1	HIS	1093	92.056	51.867	28.728	1.00	34.27
ATOM	3881	CE1	HIS	1093	91.388	50.906	29.338	1.00	33.28
ATOM	3882	NE2	HIS	1093	92.088	49.790	29.336 29.245	1.00 1.00	32.87
ATOM	3883	С	HIS	1093	93.518	51.557	25.193	1.00	34.75 28.37
							20.193	1.00	20.37

		_		4002	94.052	50.467	25.351	1.00	26.48
ATOM	3884	0	HIS	1093			24.265	1.00	30.84
MOTA	3885	N	ASN	1094	92.596	51.785		1.00	32.45
ATOM	3886	CA	ASN	1094	92.241	50.807	23.237		
ATOM	3887	CB	ASN	1094	90.769	50.963	22.842	1.00	35.56
ATOM	3888	CG	ASN	1094	90.371	50.081	21.671	1.00	39.33
ATOM	3889	OD1	ASN	1094	89.850	50.568	20.668	1.00	43.29
ATOM	3890	ND2	ASN	1094	90.594	48.780	21.800	1.00	38.01
ATOM	3891	C	ASN	1094	93.158	51.228	22.090	1.00	33.74
	3892	ŏ	ASN	1094	92.722	51.794	21.079	1.00	34.48
ATOM		N	CYS	1095	94.451	51.061	22.345	1.00	33.96
ATOM	3893		CYS	1095	95.517	51.431	21.427	1.00	32.91
ATOM	3894	CA			95.534	52.950	21.271	1.00	31.80
ATOM	3895	СВ	CYS	1095		53.866	22.840	1.00	33.34
ATOM	3896	SG	CYS	1095	95.537		22.057	1.00	33.35
ATOM	3897	С	CYS	1095	96.829	50.961			
ATOM	3898	0	CYS	1095	96.876	50.692	23.257	1.00	34.13
ATOM	3899	N	THR	1096	97.889	50.860	21.257	1.00	32.75
ATOM	3900	CA	THR	1096	99.185	50.411	21.762	1.00	30.51
ATOM	3901	СВ	THR	1096	100.229	50.384	20.647	1.00	31.43
ATOM	3902	OG1	THR	1096	100.530	51.722	20.243	1.00	34.77
ATOM	3903	CG2	THR	1096	99.706	49.629	19.445	1.00	34.07
ATOM	3904	C	THR	1096	99.659	51.379	22.835	1.00	28.94
	3905	ŏ	THR	1096	99.314	52.558	22.793	1.00	30.80
ATOM	3906	N	PRO	1097	100.461	50.902	23.807	1.00	28.40
ATOM				1097	100.925	49.519	24.021	1.00	28.11
ATOM	3907	CD	PRO			51.781	24.869	1.00	27.84
ATOM	3908	CA	PRO	1097	100.958		25.632	1.00	26.37
MOTA	3909	СВ	PRO	1097	101.916	50.878		1.00	25.06
ATOM	3910	CG	PRO	1097	101.293	49.531	25.481		29.88
ATOM	3911	С	PRO	1097	101.689	52.956	24.258	1.00	
ATOM	3912	0	PRO	1097	101.583	54.084	24.739	1.00	30.91
ATOM	3913	N	GLU	1098	102.384	52.683	23.156	1.00	32.60
ATOM	3914	CA	GLU	1098	103.153	53.686	22.420	1.00	35.02
ATOM	3915	CB	GLU	1098	103.974	53.017	21.310	1.00	37.79
ATOM	3916	CG	GLU	1098	105.119	52.122	21.796	1.00	44.17
ATOM	3917	CD	GLU	1098	104.669	50.740	22.271	1.00	48.86
ATOM	3918	OE1	GLU	1098	103.779	50.132	21.628	1.00	49.58
ATOM	3919	OE2	GLU	1098	105.229	50.256	23.281	1.00	49.09
ATOM	3920	C	GLU	1098	102.269	54.787	21.814	1.00	35.22
ATOM	3921	ŏ	GLU	1098	102.590	55.975	21.907	1.00	35.11
	3922	Ň	PHE	1099	101.170	54.378	21.182	1.00	34.71
ATOM		CA	PHE	1099	100.217	55.295	20.550	1.00	31.99
ATOM	3923		PHE	1099	99.114	54.487	19.854	1.00	30.86
ATOM	3924	СВ			97.961	55.316	19.356	1.00	30.84
ATOM	3925	CG	PHE	1099		55.708	18.027	1.00	30.84
ATOM	3926	CD1	PHE	1099	97.896		20.203	1.00	30.22
ATOM	3927	CD2	PHE	1099	96.906	55.654		1.00	32.30
ATOM	3928	CE1	PHE	1099	96.795	56.418	17.543		
ATOM	3929	CE2	PHE	1099	95.807	56.360	19.730	1.00	29.93
ATOM	3930	CZ	PHE	1099	95.750	56.742	18.395	1.00	30.84
ATOM	3931	С	PHE	1099	99.591	56.202	21.591	1.00	30.63
ATOM	3932	0	PHE	1099	99.468	57.412	21.385	1.00	29.46
ATOM	3933	N	GLN	1100	99.169	55.592	22.694	1.00	31.39
ATOM	3934	CA	GLN	1100	98.535	56.312	23.782	1.00	33.54
ATOM	3935	СВ	GLN	1100	98.087	55.341	24.873	1.00	33.46
ATOM	3936	CG	GLN	1100	97.206	56.000	25.918	1.00	33.43
ATOM	3937	CD	GLN	1100	96.860	55.082	27.061	1.00	31.11
ATOM	3938	OE1	GLN	1100	97.552	54.111	27.321	1.00	30.24
ATOM	3939	NE2	GLN	1100	95.784	55.397	27.765	1.00	34.07
ATOM	3939	C	GLN	1100		57.342	24.354	1.00	35.00
ATOM	3940 3941	Ö	GLN	1100		58.518	24.499	1.00	35.07
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ATOM	3942	N	ALA	1101	100.714	56.895	24.665	1.00	35.47
ATOM	3943	CA	ALA	1101	101.752	57.772	25.206	1.00	34.10
ATOM		CB	ALA	1101	103.010	56.973	25.524	1.00	34.60
ATOM	3944		ALA	1101	102.062	58.868	24.192	1.00	33.13
ATOM	3945	C			102.335	60.008	24.564	1.00	33.43
ATOM	3946	0	ALA	1101		58.515	22.911	1.00	31.74
ATOM	3947	N	ASN	1102	102.004			1.00	31.93
ATOM	3948	CA	ASN	1102	102.251	59.464	21.831	1.00	35.75
ATOM	3949	СВ	ASN	1102	102.220	58.754	20.478		
ATOM	3950	CG	ASN	1102	102.222	59.722	19.314	1.00	38.97
ATOM	3951	OD1	ASN	1102	103.115	60.562	19.188	1.00	35.68
ATOM	3952	ND2	ASN	1102	101.207	59.617	18.460	1.00	44.14
ATOM	3953	С	ASN	1102	101.174	60.535	21.878	1.00	30.58
ATOM	3954	0	ASN	1102	101.465	61.734	21.820	1.00	28.72
ATOM	3955	N	GLU	1103	99.926	60.092	21.994	1.00	30.88
ATOM	3956	CA	GLU	1103	98.797	61.008	22.081	1.00	31.29
ATOM	3957	СВ	GLU	1103	97.496	60.236	22.305	1.00	29.94
ATOM	3958	CG	GLU	1103	97.107	59.345	21.143	1.00	26.07
ATOM	3959	CD	GLU	1103	97.147	60.077	19.817	1.00	26.39
ATOM	3960	OE1	GLU	1103	96.367	61.041	19.642	1.00	23.03
ATOM	3961	OE2	GLU	1103	97.972	59.695	18.957	1.00	27.36
ATOM	3962	C	GLU	1103	99.033	61.971	23.236	1.00	31.53
	3963	ŏ	GLU	1103	98.880	63.183	23.077	1.00	32.08
ATOM	3964	N	VAL	1103	99.448	61.421	24.378	1.00	32.16
ATOM			VAL	1104	99.731	62.201	25.585	1.00	33.27
ATOM	3965	CA		1104	100.191	61.286	26.744	1.00	30.58
ATOM	3966	CB	VAL			62.110	27.962	1.00	28.79
ATOM	3967	CG1	VAL	1104	100.569		27.992 27.096	1.00	32.06
ATOM	3968	CG2	VAL	1104	99.093	60.304		1.00	34.57
ATOM	3969	С	VAL	1104	100.823	63.225	25.306		
ATOM	3970	0	VAL	1104	100.695	64.404	25.649	1.00	34.06
ATOM	3971	Ν	ARG	1105	101.876	62.762	24.642	1.00	36.12
ATOM	3972	CA	ARG	1105	103.020	63.591	24.291	1.00	37.17
ATOM	3973	CB	ARG	1105	103.981	62.780	23.422	1.00	41.18
ATOM	3974	CG	ARG	1105	105.100	63.589	22.822	1.00	48.61
ATOM	3975	CD	ARG	1105	105.767	62.842	21.689	1.00	54.64
ATOM	3976	NE	ARG	1105	106.570	63.746	20.872	1.00	59.97
ATOM	3977	CZ	ARG	1105	106.096	64.448	19.845	1.00	63.88
ATOM	3978	NH1	ARG	1105	104.816	64.349	19.494	1.00	63.25
ATOM	3979	NH2	ARG	1105	106.899	65.269	19.180	1.00	67.43
ATOM	3980	C	ARG	1105	102.572	64.848	23.552	1.00	35.76
ATOM	3981	0	ARG	1105	102.880	65.968	23.966	1.00	34.77
ATOM	3982	Ň	LYS	1106	101.805	64.649	22.485	1.00	34.78
ATOM	3983	CA	LYS	1106	101.301	65.747	21.669	1.00	34.00
ATOM	3984	СВ	LYS	1106	100.467	65.198	20.514	1.00	32.67
ATOM	3985	CG	LYS	1106	101.212	64.189	19.670	1.00	31.83
ATOM	3986	CD	LYS	1106	100.416	63.780	18.457	1.00	34.20
	3987	CE	LYS	1106	99.090	63.176	18.846	1.00	39.46
ATOM		NZ	LYS	1106	98.374	62.649	17.655	1.00	43.75
ATOM	3988			1106	100.485	66.760	22.465	1.00	34.26
ATOM	3989	C	LYS				22.128	1.00	35.05
ATOM	3990	0	LYS	1106	100.459	67.946		1.00	33.42
ATOM	3991	N	VAL	1107	99.808	66.293	23.510		33.04
ATOM	3992	CA	VAL	1107	99.002	67.178	24.338	1.00	
ATOM	3993	СВ	VAL	1107	97.977	66.394	25.195	1.00	29.85
ATOM	3994	CG1	VAL	1107	97.189	67.340	26.089	1.00	24.12
ATOM	3995	CG2	VAL	1107	97.031	65.624	24.302	1.00	30.73
ATOM	3996	С	VAL	1107	99.920	67.967	25.258	1.00	35.29
ATOM	3997	Ο.	VAL	1107	99.868	69.196	25.300	1.00	36.49
ATOM	3998	N	LYS	1108	100.793	67.258	25.959	1.00	36.76
ATOM	3999	CA	LYS	1108	101.710	67.892	26.888	1.00	38.65

ATOM	4000	СВ	LYS	1108	102.483	66.838	27.673	1.00	37.67
ATOM	4001	CG	LYS	1108			28.598	1.00	36.98
ATOM	4002	CD	LYS	1108		66.881	29.597	1.00	36.47
ATOM	4003	CE	LYS	1108		67.684	30.471	1.00	36.82
ATOM	4004	NZ	LYS	1108		68.507	31.484	1.00	
ATOM	4005	C	LYS	1108					38.27
						68.859	26.208	1.00	41.58
ATOM	4006	0	LYS	1108		69.835	26.821	1.00	41.70
ATOM	4007	N	LYS	1109		68.598	24.939	1.00	44.26
ATOM	4008	CA	LYS	1109		69.457	24.172	1.00	46.63
ATOM	4009	СВ	LYS	1109		68.625	23.227	1.00	48.92
ATOM	4010	CG	LYS	1109		67.752	23.925	1.00	55.10
ATOM	4011	CD	LYS	1109		67.038	22.917	1.00	57.86
ATOM	4012	CE	LY\$	1109		66.190	23.607	1.00	60.67
ATOM	4013	NZ	LYS	1109		65.453	22.624	1.00	64.20
ATOM	4014	С	LYS	1109	103.116	70.503	23.361	1.00	48.09
ATOM	4015	0	LYS	1109	103.704	71.143	22.494	1.00	50.31
ATOM	4016	N	TYR	1110	101.823	70.671	23.622	1.00	49.80
ATOM	4017	CA	TYR	1110	101.032	71.647	22.883	1.00	50.56
ATOM	4018	CB	TYR	1110	99.526	71.410	23.054	1.00	49.06
ATOM	4019	CG	TYR	1110	98.671	72.376	22.240	1.00	45.63
ATOM	4020	CD1	TYR	1110	98.377	72.117	20.902	1.00	42.22
ATOM	4021	CE1	TYR	1110	97.615	73.001	20.145	1.00	39.41
ATOM	4022	CD2	TYR	1110	98.172	73.556	22.805	1.00	41.44
ATOM	4023	CE2	TYR	1110	97.410	74.449	22.053	1.00	
ATOM	4024	CZ	TYR	1110	97.135	74.44 3 74.162	20.723		38.41
ATOM	4025	OH	TYR	1110	96.377	75.028		1.00	39.73
ATOM	4026	C	TYR	1110	101.338		19.969	1.00	42.38
ATOM	4027	ŏ	TYR			73.080	23.262	1.00	52.16
ATOM	4027			1110	101.405	73.433	24.436	1.00	50.66
		N	GLU	1111	101.470	73.909	22.238	1.00	56.35
ATOM	4029	CA	GLU	1111	101.726	75.326	22.407	1.00	62.85
ATOM	4030	CB	GLU	1111	103.170	75.580	22.846	1.00	68.99
ATOM	4031	CG	GLU	1111	103.473	77.039	23.221	1.00	78.92
ATOM	4032	CD	GLU	1111	102.841	77.479	24.544	1.00	86.72
ATOM	4033	OE1	GLU	1111	103.602	77.833	25.476	1.00	88.71
ATOM	4034	OE2	GLU	1111	101.591	77.492	24.650	1.00	89.94
ATOM	4035	C	GLU	1111	101.456	75.977	21.063	1.00	64.72
ATOM	4036	0	GLU	1111	102.047	75.595	20.049	1.00	64.03
ATOM	4037	Ν	GLN	1112	100.489	76.890	21.049	1.00	67.72
ATOM	4038	CA	GLN	1112	100.103	77.616	19.842	1.00	71.20
ATOM	4039	CB	GLN	1112	99.391	76.686	18.850	1.00	74.46
ATOM	4040	CG	GLN	1112	99.112	77.314	17.482	1.00	77.35
ATOM	4041	CD	GLN	1112	98.260	76.426	16.589	1.00	78.90
ATOM	4042	OE1	GLN	1112	97.039	76.566	16.542	1.00	79.16
ATOM	4043	NE2	GLN	1112	98.901	75.505	15.876	1.00	79.35
ATOM	4044	С	GLN	1112	99.168	78.752	20.240	1.00	71.94
ATOM	4045	0	GLN	1112	98.417	78.542	21.217	1.00	72.65
ATOM	4046	СВ	TYR	1233	92.594	79.434	26.175	1.00	39.31
ATOM	4047	CG	TYR	1233	92.140	78.944	24.817	1.00	39.59
ATOM	4048	CD1	TYR	1233	90.810	78.606	24.585	1.00	39.63
ATOM	4049	CE1	TYR	1233	90.390	78.142	23.339	1.00	42.81
ATOM	4050	CD2	TYR	1233	93.045	78.808	23.766		
ATOM	4051	CE2	TYR	1233	92.637	78.345	23.700	1.00	42.38
ATOM	4052	CZ	TYR	1233	91.306	78.015		1.00	42.93
ATOM	4053	OH	TYR	1233	90.884		22.306	1.00	42.57
ATOM	4054	C	TYR	1233	92.326	77.574	21.072	1.00	41.24
ATOM	4055	Ö	TYR	1233		81.012	28.108	1.00	34.30
ATOM	4056	N	TYR	1233	93.223	80.365	28.647	1.00	35.38
ATOM	4057	CA	TYR		92.175	81.859	25.767	1.00	37.90
	7031	CA	117	1233	91.886	80.707	26.674	1.00	36.86

ATOM	4058	N	PRO	1234		81.987	28.757	1.00	31.05
ATOM	4059	CD	PRO	1234	90.523	82.770	28.281	1.00	31.27
ATOM	4060	CA	PRO	1234	92.027	82.350	30.133	1.00	28.70
ATOM	4061	CB	PRO	1234	91.180	83.594	30.376	1.00	29.55
ATOM	4062	CG	PRO	1234		83.318	29.567	1.00	31.87
ATOM	4063	C	PRO	1234		81.267	31.164	1.00	27.05
ATOM	4064	Ö	PRO	1234		81.409	32.327	1.00	24.79
ATOM	4065	N	LEU	1235	91.013	80.224	30.740	1.00	
ATOM			LEU	1235					28.44
	4066	CA			90.639	79.101	31.607	1.00	27.99
ATOM	4067	СВ	LEU	1235	89.174	78.715	31.406	1.00	27.25
ATOM	4068	CG	LEU	1235	88.100	79.751	31.680	1.00	25.62
ATOM	4069	CD1	LEU	1235	86.739	79.084	31.530	1.00	24.42
ATOM	4070	CD2	LEU	1235	88.292	80.323	33.078	1.00	26.15
ATOM:	4071	С	LEU	1235	91.466	77.876	31.299	1.00	28.14
ATOM	4072	0	LEU	1235	91.308	76.835	31.944	1.00	25.67
ATOM	4073	N	ALA	1236	92.279	77.979	30.253	1.00	29.94
ATOM	4074	CA	ALA	1236	93.130	76.884	29.843	1.00	31.57
ATOM	4075	СВ	ALA	1236	94.179	77.373	28.891	1.00	32.74
ATOM	4076	Č	ALA	1236	93.765	76.314	31.094	1.00	33.80
ATOM	4077	ŏ	ALA	1236	94.304	77.050	31.926	1.00	34.29
ATOM	4078	N	SER	1237	93.574	75.020	31.288	1.00	35.41
ATOM	4079	CA	SER	1237	94.118				
						74.352	32.445	1.00	39.00
ATOM	4080	CB	SER	1237	93.041	73.452	33.068	1.00	42.92
ATOM	4081	OG	SER	1237	91.989	74.237	33.636	1.00	43.86
ATOM	4082	C	SER	1237	95.401	73.599	32.085	1.00	39.38
ATOM	4083	0	SER	1237	95.403	72.668	31.270	1.00	39.77
ATOM	4084	N	LYS	1238	96.507	74.064	32.656	1.00	39.71
ATOM	4085	CA	LYS	1238	97.813	73.474	32.413	1.00	41.61
ATOM	4086	CB	LYS	1238	98.587	74.304	31.382	1.00	43.64
ATOM	4087	CG	LYS	1238	98.336	75.804	31.401	1.00	46.63
ATOM ~	4088	CD	LYS	1238	98.532	76.385	29.993	1.00	49.43
ATOM	4089	CE	LYS	1238	98.469	77.915	29.954	1.00	52.17
ATOM	4090	NZ	LYS	1238	97.166	78.480	30.418	1.00	53.93
ATOM	4091	С	LYS	1238	98.611	73.306	33.697	1.00	41.85
ATOM	4092	0	LYS	1238	98.215	73.815	34.745	1.00	42.33
ATOM	4093	Ň	ASP	1239	99.695	72.538	33.627	1.00	42.02
ATOM	4094	CA	ASP	1239	100.541	72.289	34.788	1.00	43.25
ATOM	4095	CB	ASP	1239	100.341	70.950			
ATOM	4096	CG	ASP	1239	101.277	70.933	34.637	1.00	42.65
ATOM	4097	OD1	ASP				33.470	1.00	41.63
				1239	102.274	71.902	32.694	1.00	43.12
ATOM	4098	OD2	ASP	1239	103.007	69.946	33.328	1.00	41.56
ATOM	4099	C	ASP	1239	101.534	73.416	35.085	1.00	45.87
ATOM	4100	0	ASP	1239	101.579	74.430	34.381	1.00	46.72
ATOM	4101	N	ALA	1240	102.364	73.196	36.104	1.00	46.78
ATOM	4102	CA	ALA	1240	103.370	74.162	36.548	1.00	46.30
ATOM	4103	СВ	ALA	1240	104.203	73.562	37.676	1.00	46.81
ATOM	4104	С	ALA	1240	104.282	74.683	35.439	1.00	45.64
ATOM	4105	0	ALA	1240	104.675	75.851	35.446	1.00	46.51
ATOM	4106	N	LYS	1241	104.628	73.816	34.495	1.00	43.50
ATOM	4107	CA	LYS	1241	105.486	74.216	33.391	1.00	41.50
ATOM	4108	СВ	LYS	1241	106.327	73.028	32.927	1.00	42.33
ATOM	4109	CG	LYS	1241	107.198	72.458	34.040	1.00	45.75
ATOM	4110	CD	LYS	1241	108.136	71.364	33.549	1.00	52.02
ATOM	4111	CE	LYS	1241	107.394	71.3 04 70.096			
ATOM	4112	NZ	LYS	1241	107.394		33.147	1.00	56.80
ATOM	4113	C	LYS			69.053	32.625	1.00	59.79
ATOM	4114			1241	104.668	74.808	32.246	1.00	40.64
		0	LYS	1241	105.119	74.850	31.102	1.00	39.48
ATOM	4115	N	LYS	1242	103.451	75.244	32.575	1.00	40.74

					400 505	75 000	24 625	1.00	40.98
ATOM	4116	CA	LYS	1242	102.525	75.863	31.635		
MOTA	4117	CB	LYS	1242	103.130	77.162	31.102	1.00	46.48
ATOM	4118	CG	LYS	1242	103.655	78.106	32.184	1.00	54.66
		CD	LYS	1242	104.504	79.227	31.567	1.00	63.33
ATOM	4119			1242	105.116	80.153	32.623	1.00	68.01
ATOM	4120	CE	LYS			79.459	33.488	1.00	71.11
ATOM	4121	ΝZ	LYS	1242	106.121				40.38
ATOM	4122	С	LYS	1242	102.068	74.977	30.471	1.00	
ATOM	4123	0	LYS	1242	101.545	75.471	29.472	1.00	40.63
ATOM	4124	N	GLN	1243	102.281	73.672	30.582	1.00	38.45
ATOM	4125	CA	GLN	1243	101.863	72.749	29.531	1.00	37.94
ATOM	4126	СВ	GLN	1243	102.905	71.640	29.338	1.00	42.14
	4127	CG	GLN	1243	104.293	72.126	28.894	1.00	50.87
ATOM		CD	GLN	1243	104.296	72.805	27.516	1.00	58.97
ATOM	4128			1243	104.790	72.248	26.533	1.00	61.73
ATOM	4129	OE1	GLN			74.026	27.454	1.00	61.92
ATOM.	4130	NE2	GLN	1243	103.777			1.00	35.65
ATOM	4131	С	GLN	1243	100.502	72.162	29.907		
ATOM	4132	0	GLN	1243	100.286	71.781	31.059	1.00	34.91
ATOM	4133	N	LEU	1244	99.577	72.130	28.949	1.00	33.29
ATOM	4134	CA	LEU	1244	98.221	71.614	29.176	1.00	29.46
ATOM	4135	СВ	LEU	1244	97.495	71.389	27.848	1.00	27.97
	4136	CG	LEU	1244	97.232	72.570	26.922	1.00	25.53
ATOM			LEU	1244	96.497	72.069	25.701	1.00	23.64
ATOM	4137	CD1				73.639	27.631	1.00	26.68
MOTA	4138	CD2	LEU	1244	96.426			1.00	26.37
ATOM	4139	С	LEU	1244	98.174	70.315	29.964		
ATOM	4140	0	LEU	1244	98.990	69.423	29.759	1.00	25.40
ATOM	4141	N	LEU	1245	97.203	70.208	30.861	1.00	24.19
ATOM	4142	CA	ĻEU	1245	97.043	69.000	31.654	1.00	21.24
ATOM	4143	CB	LEU	1245	96.010	69.226	32.750	1.00	17.87
ATOM	4144	CG	LEU	1245	96.388	70.166	33.886	1.00	13.30
ATOM	4145	CD1	LEU	1245	95.278	70.190	34.957	1.00	8.28
		CD2	LEU	1245	97.692	69.691	34.476	1.00	12.89
ATOM	4146		LEU	1245	96.577	67.851	30.760	1.00	22.73
ATOM	4147	C			95.875	68.067	29.772	1.00	22.07
ATOM	4148	0	LEU	1245				1.00	23.09
ATOM	4149	N	CYS	1246	96.970	66.631	31.097		
ATOM	4150	CA	CYS	1246	96.561	65.481	30.311	1.00	24.22
ATOM	4151	CB	CYS	1246	97.564	65.167	29.213	1.00	23.07
ATOM	4152	SG	CYS	1246	96.980	63.858	28.114	1.00	28.22
ATOM	4153	С	CYS	1246	96.409	64.271	31.199	1.00	25.46
ATOM	4154	0	CYS	1246	97.177	64.087	32.149	1.00	26.61
ATOM	4155	Ň	GLY	1247	95.405	63.457	30.899	1.00	24.77
ATOM	4156	CA	GLY	1247	95.159	62.257	31.669	1.00	23.54
	4157	c	GLY	1247	95.056	61.081	30.724	1.00	22.83
ATOM				1247	94.823	61.260	29.525	1.00	22.59
ATOM	4158	0	GLY				31.252	1.00	20.75
ATOM	4159	N	ALA	1248	95.230	59.878		1.00	20.73
ATOM	4160	CA	ALA	1248	95.150	58.678	30.437		
ATOM	4161	CB	ALA	1248	96.536	58.256	29.990	1.00	21.90
ATOM	4162	С	ALA	1248	94.485	57.561	31.222	1.00	20.51
ATOM:	4163	0	ALA	1248	94.619	57.473	32.447	1.00	18.34
ATOM	4164	N	ALA	1249	93.740	56.727	30.514	1.00	20.76
ATOM	4165	CA	ALA	1249	93.050	55.622	31.140	1.00	22.52
ATOM	4166	СВ	ALA	1249	91.670	55.477	30.543	1.00	22.47
		C	ALA	1249	93.825	54.342	30.928	1.00	24.15
ATOM	4167					54.019	29.790	1.00	25.00
ATOM	4168	0	ALA	1249	94.183		32.005	1.00	23.49
ATOM	4169	N	ILE	1250	94.105	53.616			
ATOM	4170	CA	ILE	1250	94.794	52.341	31.860	1.00	24.48
ATOM	4171	CB	ILE	1250	96.254	52.330	32.417	1.00	22.98
ATOM	4172	CG2	ILE	1250	97.088	53.412	31.760	1.00	24.80
ATOM	4173	CG1	ILE	1250	96.276	52.433	33.939	1.00	20.21

ATOM	4174	CD1	ILE	1250	97.629	52.107	34.530	1.00	18.03
ATOM	4175	C.	ILE	1250	93.999	51.227	32.520	1.00	25.11
ATOM	4176	Ö	ILE	1250	93.044	51.476	33.253	1.00	21.56
ATOM	4177	N	GLY	1251	94.337	49.998	32.156	1.00	29.40
ATOM	4178	CA	GLY	1251	93.693	48.842	32.740	1.00	32.82
	4179	c	GLY	1251	94.479	48.532	33.996	1.00	36.17
ATOM	4179	ŏ	GLY	1251	95.271	49.350	34.451	1.00	38.38
ATOM	4181	N	THR	1252	94.345	47.326	34.513	1.00	39.63
ATOM ATOM	4182	CA	THR	1252	95.060	46.990	35.725	1.00	43.76
	4183	CB	THR	1252	94.057	46.575	36.818	1.00	41.72
ATOM	4184	OG1	THR	1252	93.203	47.687	37.124	1.00	37.90
ATOM ATOM	4185	CG2	THR	1252	94.771	46.155	38.066	1.00	47.51
ATOM	4186	C	THR	1252	96.179	45.956	35.538	1.00	48.10
ATOM	4187	Ö	THR	1252	97.349	46.256	35.772	1.00	48.88
	4188	N	HIS	1253	95.825	44.772	35.047	1.00	51.97
ATOM	4189	CA	HIS	1253	96.790	43.689	34.844	1.00	56.55
ATOM ATOM	4199	CB	HIS	1253	96.197	42.583	33.956	1.00	63.58
	4191	CG	HIS	1253	95.708	43.060	32.625	1.00	71.59
ATOM	4192	CD2	HIS	1253	94.873	44.069	32.288	1.00	76.45
ATOM	4193	ND1	HIS	1253	96.072	42.451	31.439	1.00	77.55
ATOM ATOM	4194	CE1	HIS	1253	95.480	43.071	30.431	1.00	81.02
	4195	NE2	HIS	1253	94.749	44.055	30.917	1.00	80.91
ATOM		C	HIS	1253	98.173	44.083	34.334	1.00	56.12
ATOM	4196 4197	Ö	HIS	1253	98.295	44.864	33.398	1.00	56.78
ATOM		N	GLU	1254	99.191	43.495	34.963	1.00	56.64
ATOM	4198 4199	CA	GLU	1254	100.617	43.690	34.672	1.00	56.02
ATOM	4200	CB	GLU	1254	101.309	42.329	34.570	1.00	57.76
ATOM	4200 4201	CG	GLU	1254	101.379	41.554	35.879	1.00	61.36
ATOM		CD	GLU	1254	101.378	42.136	36.867	1.00	64.92
ATOM	4202	OE1	GLU	1254	102.576	42.443	36.458	1.00	64.68
ATOM	4203	OE2	GLU	1254	103.324	42.270	38.058	1.00	66.93
ATOM	4204		GLU	1254	101.009	44.525	33.462	1.00	53.65
ATOM	4205	C	GLU	1254	101.767	45.480	33.582	1.00	53.34
ATOM	4206	O N	ASP	1255	101.707	44.113	32.294	1.00	52.31
ATOM	4207		ASP	1255	100.332	44.782	31.024	1.00	50.29
ATOM	4208 4209	CA CB	ASP	1255	99.804	44.290	29.973	1.00	55.04
ATOM		CG	ASP	1255	99.626	42.775	29.993	1.00	61.28
ATOM	4210	OD1	ASP	1255	98.900	42.773	30.881	1.00	59.30
ATOM	4211	OD2	ASP	1255	100.220	42.105	29.118	1.00	65.78
ATOM	4212		ASP	1255	100.220	46.301	31.129	1.00	47.04
ATOM	4213	C	ASP	1255	100.093	47.039	30.490	1.00	46.57
ATOM	4214	0				4	31.967	1.00	44.52
ATOM	4215	N	ASP ASP	1256 1256	99.768 99.501	46.752 48.173	32.171	1.00	41.04
ATOM	4216	CA		1256	98.142	48.352	32.847	1.00	39.06
ATOM	4217	CB	ASP			47.813	32.003	1.00	36.49
ATOM	4218	CG	ASP	1256	97.012	48.422	30.955	1.00	32.75
ATOM	4219	OD1	ASP	1256	96.720 96.432	46.769	32.368	1.00	37.91
ATOM	4220	OD2	ASP	1256	100.584	48.924	32.920	1.00	37.97
ATOM	4221	C	ASP	1256		50.153	32.945	1.00	35.60
ATOM	4222	0	ASP	1256	100.585		33.520	1.00	37.65
ATOM	4223	N	LYS	1257	101.505	48.180 48.765	34.253	1.00	36.92
MOTA	4224	CA	LYS	1257	102.619	48.765 47.693	34.253 35.078	1.00	36.40
ATOM	4225	CB	LYS	1257	103.325		35.076 36.172	1.00	37.53
MOTA	4226	CG	LYS	1257	102.465	47.092	36.172 36.978	1.00	41.41
ATOM	4227	CD	LYS	1257	103.251	46.074 45.760		1.00	43.29
ATOM	4228	CE	LYS	1257	102.581	45.760 45.166	38.309	1.00	47.58
ATOM	4229	NZ	LYS	1257	101.232	45.166 40.406	38.132 33.258	1.00	36.36
ATOM	4230	C	LYS	1257	103.590	49.406			34.55
ATOM	4231	0	LYS	1257	104.009	50.554	33.431	1.00	34.33

ATOM	3768	Ν	GLY	1077 93	3.480	65.613	20.144	1.00	34.10
ATOM	3769	CA	GLY	1077 92	2.655	66.763	19.810	1.00	34.49
ATOM	3770	С	GLY		1.655	67.146	20.886		35.44
ATOM	3771	0	GLY		1.574	68.314	21.278		35.30
ATOM	3772	N	MET		0.895	66.159	21.356		35.00
ATOM	3773	CA	MET		9.892	66.361	22.400		32.60
ATOM	3774	CB	MET		9.122	65.060	22.650	1.00	30.21
ATOM	3775	CG	MET		3.115	65.119	23.787	1.00	23.97
ATOM	3776	SD	MET		5.729	66.180	23.420	1.00	22.65
ATOM	3777	CE	MET		5.882	65.186	22.153	1.00	13.83
ATOM	3778	C	MET		0.562	66.806	23.691	1.00	32.54
ATOM	3779	ŏ	MET		0.281	67.890	24.205	1.00	33.25
ATOM	3780	N	ALA		1.473	65.975	24.191	1.00	29.80
ATOM	3781	CA	ALA		2.185	66.264	25.426	1.00	26.90
ATOM	3782	СВ	ALA		3.312	65.272	25.625	1.00	25.36
ATOM	3782 3783	C	ALA		2.719	67.686	25.411	1.00	26.03
ATOM	3784	ŏ	ALA		2.675	68.385	26.426	1.00	25.26
ATOM	3785	N	ILE		3.163	68.132	24.238	1.00	26.03
ATOM	3786	CA	ILE		3.696	69.481	24.230	1.00	25.73
ATOM	3787	CB	ILE			69.632	22.761	1.00	23.73
		CG2			.486				
ATOM	3788		ILE		.898	71.086	22.540	1.00	22.24
ATOM	3789	CG1	ILE		5.740	68.763	22.810	1.00	21.45
ATOM	3790	CD1	ILE		5.565	68.809	21.554	1.00	22.68
ATOM	3791	C	ILE		2.587	70.530	24.154	1.00	26.48
ATOM	3792	0	ILE ALA		2.645	71.444	24.979	1.00	25.96
ATOM	3793	N			.559	70.369	23.323	1.00	27.21
ATOM	3794	CA	ALA		.438	71.305	23.285	1.00	25.13
ATOM	3795	СВ	ALA		.422	70.866	22.240	1.00	23.36
ATOM	3796	CO	ALA		.778	71.410	24.652	1.00	25.14
ATOM	3797		ALA		.335	72.484	25.064	1.00	26.40
ATOM	3798	N	MET		.762	70.295	25.369	1.00	25.59
ATOM	3799	CA	MET		.162	70.232	26.691	1.00	26.26
ATOM	3800	CB	MET		.051	68.771	27.146	1.00	27.01
ATOM	3801	CG	MET		.856	68.464	28.048	1.00	28.65
ATOM	3802	SD	MET		.249	68.526	27.203	1.00	26.79
ATOM	3803	CE	MET		.315	69.478	28.353	1.00	23.90
ATOM	3804	C	MET		.992	71.056	27.675	1.00	25.81
ATOM	3805	0	MET		.442	71.851	28.434	1.00	26.89
ATOM	3806	N	ALA		.314	70.913	27.624	1.00	25.36
ATOM	3807	CA	ALA		.195	71.663	28.519	1.00	23.07
ATOM	3808	СВ	ALA		.594	71.105	28.472	1.00	19.47
ATOM	3809	C	ALA		.217	73.158	28.205	1.00	24.00
ATOM	3810	0	ALA		.330	73.990	29.107	1.00	23.89
ATOM	3811	N	LEU		.117	73.508	26.927	1.00	24.04
ATOM	3812	CA	LEU		.133	74.913	26.550	1.00	21.88
ATOM	3813	СВ	LEU		.278	75.092	25.031	1.00	20.51
ATOM	3814	CG	LEU		.621	74.803	24.333	1.00	17.98
ATOM	3815	CD1	LEU		.489	75.021	22.834	1.00	10.91
ATOM	3816	CD2	LEU		.728	75.687	24.892	1.00	16.24
ATOM	3817	C	LEU		.872	75.603	27.038	1.00	23.28
ATOM	3818	0	LEU		.939	76.749	27.472	1.00	24.38
ATOM	3819	N	THR		.738	74.897	27.009	1.00	23.36
ATOM	3820	CA	THR		.458	75.477	27.433	1.00	22.95
ATOM	3821	СВ	THR		.267	74.937	26.604	1.00	20.99
ATOM	3822	OG1	THR		.256	73.508	26.631	1.00	25.05
ATOM	3823	CG2	THR		.370	75.410	25.176	1.00	16.76
ATOM	3824	C	THR		.117	75.425	28.921	1.00	23.92
MOTA	3825	0	THR	1085 87	.077	75.954	29.342	1.00	25.16

							00 740	4.00	04.05
ATOM	3826	N	GLY	1086	88.973	74.791	29.716	1.00	24.85
ATOM	3827	CA	GLY '	1086	88.731	74.748	31.150	1.00	26.30
			GLY	1086	88.614	73.400	31.835	1.00	25.84
ATOM	3828	C					33.063	1.00	26.47
ATOM	3829	0	GLY	1086	88.517	73.336			
ATOM	3830	N	GLY	1087	88.570	72.332	31.057	1.00	25.34
ATOM	3831	CA	GLY	1087	88.464	71.013	31.641	1.00	24.99
			GLY	1087	89.723	70.212	31.406	1.00	24.03
ATOM	3832	C							23.72
ATOM	3833	0	GLY	1087	90.823	70.761	31.358	1.00	
ATOM	3834	N	ILE	1088	89.555	68.908	31.244	1.00	23.71
ATOM	3835	CA	ILE	1088	90.673	68.007	31.006	1.00	23.17
					91.360	67.582	32.352	1.00	20.71
ATOM	3836	CB	ILE	1088					
ATOM	3837	CG2	ILE	1088	90.444	66.669	33.153	1.00	20.78
ATOM	3838	CG1	ILE	1088	92.706	66.886	32.090	1.00	17.22
ATOM	3839	CD1	ILE	1088	93.545	66.593	33.353	1.00	5.96
						66.799	30.283	1.00	22.59
ATOM	3840	С	ILE	1088	90.083				
ATOM	3841	0	ILE	1088	88.862	66.605	30.281	1.00	22.13
ATOM	3842	N	GLY	1089	90.939	66.023	29.630	1.00	22.64
	3843	CA	GLY	1089	90.476	64.853	28.912	1.00	21.60
ATOM							29.250	1.00	22.41
ATOM	3844	С	GLY	1089	91.292	63.622			
ATOM	3845	0	GLY	1089	92.433	63.728	29.697	1.00	22.07
ATOM	3846	N	PHE	1090	90.702	62.449	29.068	1.00	22.64
		CA	PHE	1090	91.403	61.215	29.350	1.00	22.39
ATOM	3847						30.423	1.00	24.55
ATOM	3848	CB	PHE	1090	90.668	60.425			
ATOM	3849	CG	PHE	1090	90.775	61.026	31.782	1.00	27.69
ATOM	3850	CD1	PHE	1090	89.903	62.032	32.181	1.00	28.68
	3851	CD2	PHE	1090	91.775	60.616	32.658	1.00	26.87
ATOM								1.00	29.16
ATOM	3852	CE1	PHE	1090	90.034	62.628	33.439		
ATOM	3853	CE2	PHE	1090	91.912	61.207	33.917	1.00	26.20
ATOM	3854	CZ	PHE	1090	91.041	62.214	34.304	1.00	28.03
	3855	C	PHE	1090	91.568	60.380	28.096	1.00	22.82
ATOM								1.00	23.69
ATOM	3856	0	PHE	1090	90.579	59.940	27.511		
ATOM	3857	N	ILE	1091	92.816	60.191	27.668	1.00	21.96
ATOM	3858	CA	ILE	1091	93.114	59.394	26.480	1.00	20.77
ATOM	3859	СВ	ILE	1091	94.633	59.423	26.128	1.00	19.10
								1.00	15.49
ATOM	3860	CG2	ILE	1091	94.892	58.635	24.846		
ATOM	3861	CG1	ILE	10 9 1	95.147	60.867	25.999	1.00	13.00
ATOM	3862	CD1	ILE	1091	94.662	61.607	24.779	1.00	9.34
ATOM	3863	C	ILE	1091	92.722	57.950	26.795	1.00	20.88
					92.958	57.464	27.907	1.00	21.15
ATOM	3864	0	ILE	1091					
ATOM	3865	N	HIS	1092	92.101	57.276	25.832	1.00	21.96
ATOM	3866	CA	HIS	1092	91.686	55.882	26.019	1.00	23.97
ATOM	3867	CB	HIS		90.613	55.492	24.994	1.00	23.05
				1092	91.114	55.427	23.584	1.00	18.52
MOTA	3868	CG	HIS						
ATOM	3869	CD2	HIS	1092	91.563	54.381	22.849	1.00	13.17
ATOM	3870	ND1	HIS	1092	91.196	56.534	22.768	1.00	15.63
ATOM	3871	CE1	HIS	1092	91.672	56.173	21.592	1.00	14.27
				1092	91.908	54.873	21.614	1.00	12.20
ATOM	3872	NE2	HIS						
ATOM	3873	С	HIS	1092	92.887	54.946	25.895	1.00	25.60
ATOM	3874	0	HIS	1092	93.957	55.369	25.467	1.00	28.13
ATOM	3875	N	HIS	1093	92.708	53.675	26.242	1.00	26.03
	3876	CA	HIS	1093	93.805	52.715	26.139	1.00	27.95
ATOM									
ATOM	3877	CB	HIS	1093	94.247	52.205	27.515	1.00	29.78
ATOM	3878	CG	HIS	1093	93.231	51.358	28.218	1.00	33.05
ATOM	3879	CD2	HIS	1093	93.243	50.043	28.548	1.00	34.27
	3880	ND1	HIS	1093	92.056	51.867	28.728	1.00	33.28
ATOM									
ATOM	3881	CE1	HIS	1093	91.388	50.906	29.338	1.00	32.87
ATOM	3882	NE2	HIS	1093	92.088	49.790	29.245	1.00	34.75
ATOM	3883	С	HIS	1093	93.518	51.557	25.193	1.00	28.37

ATOM	3884	0	HIS	1093	94.052	50.467	25.351	1.00	26.48
ATOM	3885	N	ASN	1094	92.596	51.785	24.265	1.00	30.84
ATOM	3886	CA	ASN	1094	92.241	50.807	23.237	1.00	32.45
ATOM	3887	СВ	ASN	1094	90.769	50.963	22.842	1.00	35.56
ATOM	3888	CG	ASN	1094	90.371	50.081	21.671	1.00	39.33
ATOM	3889	OD1	ASN	1094	89.850	50.568	20.668	1.00	43.29
ATOM	3890	ND2	ASN	1094	90.594	48.780	21.800	1.00	38.01
ATOM	3891	C	ASN	1094	93.158	51.228	22.090	1.00	33.74
ATOM	3892	ŏ	ASN	1094	92.722	51.794	21.079	1.00	34.48
	3893	N	CYS	1095	94.451	51.061	22.345	1.00	33.96
ATOM			CYS	1095	95.517	51.431	21.427	1.00	32.91
ATOM	3894	CA		1095					
ATOM	3895	СВ	CYS		95.534	52.950	21.271	1.00	31.80
ATOM	3896	SG	CYS	1095	95.537	53.866	22.840	1.00	33.34
ATOM	3897	C	CYS	1095	96.829	50.961	22.057	1.00	33.35
ATOM	3898	0	CYS	1095	96.876	50.692	23.257	1.00	34.13
ATOM	3899	N	THR	1096	97.889	50.860	21.257	1.00	32.75
ATOM	3900	CA	THR	1096	99.185	50.411	21.762	1.00	30.51
ATOM	3901	CB	THR	1096	100.229	50.384	20.647	1.00	31.43
ATOM	3902	OG1	THR	1096	100.530	51.722	20.243	1.00	34.77
ATOM	3903	CG2	THR	1096	99.706	49.629	19.445	1.00	34.07
ATOM	3904	С	THR	1096	99.659	51.379	22.835	1.00	28.94
ATOM	3905	0	THR	1096	99.314	52.558	22.793	1.00	30.80
ATOM	3906	N	PRO	1097	100.461	50.902	23.807	1.00	28.40
ATOM	3907	CD	PRO	1097	100.925	49.519	24.021	1.00	28.11
ATOM	3908	CA	PRO	1097	100.958	51.781	24.869	1.00	27.84
ATOM	3909	CB	PRO	1097	101.916	50.878	25.632	1.00	26.37
ATOM	3910	CG	PRO	1097	101.293	49.531	25.481	1.00	25.06
ATOM	3911	C	PRO	1097	101.689	52.956	24.258	1.00	29.88
ATOM	3912	ŏ	PRO	1097	101.583	54.084	24.739	1.00	30.91
ATOM	3913	Ň	GLU	1098	102.384	52.683	23.156	1.00	32.60
ATOM	3914	CA	GLU	1098	103.153	53.686	22.420	1.00	35.02
ATOM	3915	CB	GLU	1098	103.133	53.007	21.310	1.00	37.79
ATOM	3916	CG	GLU	1098	105.119	52.122	21.796	1.00	44.17
ATOM	3917	CD	GLU	1098	104.669	50.740	22.271	1.00	48.86
ATOM	3918	OE1	GLU	1098	104.009	50.132	21.628	1.00	49.58
ATOM	3919	OE2	GLU	1098	105.779	50.152	23.281	1.00	
			GLU		105.229				49.09
ATOM	3920	C		1098		54.787	21.814	1.00	35.22
ATOM	3921	0	GLU	1098	102.590	55.975	21.907	1.00	35.11
ATOM	3922	N	PHE	1099	101.170	54.378	21.182	1.00	34.71
ATOM	3923	CA	PHE	1099	100.217	55.295	20.550	1.00	31.99
ATOM	3924	СВ	PHE	1099	99.114	54.487	19.854	1.00	30.86
ATOM	3925	CG	PHE	1099	97.961	55.316	19.356	1.00	30.84
ATOM	3926	CD1	PHE	1099	97.896	55.708	18.027	1.00	30.84
ATOM	3927	CD2	PHE	1099	96.906	55.654	20.203	1.00	30.22
ATOM	3928	CE1	PHE	1099	96.795	56.418	17.543	1.00	32.30
ATOM	3929	CE2	PHE	1099	95.807	56.360	19.730	1.00	29.93
ATOM	3930	CZ	PHE	1099	95.750	56.742	18.395	1.00	30.84
ATOM	3931	С	PHE	1099	99.591	56.202	21.591	1.00	30.63
ATOM	3932	0	PHE	1099	99.468	57.412	21.385	1.00	29.46
ATOM	3933	N	GLN	1100	99.169	55.592	22.694	1.00	31.39
ATOM	3934	CA	GLN	1100	98.535	56.312	23.782	1.00	33.54
ATOM	3935	СВ	GLN	1100	98.087	55.341	24.873	1.00	33.46
ATOM	3936	CG	GLN	1100	97.206	56.000	25.918	1.00	33.43
ATOM	3937	CD	GLN	1100	96.860	55.082	27.061	1.00	31.11
ATOM	3938	OE1	GLN	1100	97.552	54.111	27.321	1.00	30.24
ATOM	3939	NE2	GLN	1100	95.784	55.397	27.765	1.00	34.07
ATOM	3940	C	GLN	1100	99.497	57.342	24.354	1.00	35.00
ATOM	3941	Ō	GLN	1100	99.145	58.518	24.499	1.00	35.07
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ATOM	3942	N	ALA	1101	100.714	56.895	24.665	1.00	35.47
ATOM	3943	CA	ALA	1101	101.752	57.772	25.206	1.00	34.10
ATOM	3944	СВ	ALA	1101	103.010	56.973	25.524	1.00	34.60
ATOM	3945	C	ALA	1101	102.062	58.868	24.192	1.00	33.13
ATOM	3946	Ö	ALA	1101	102.335	60.008	24.564	1.00	33.43
ATOM	3947	Ň	ASN	1102	102.004	58.515	22.911	1.00	31.74
ATOM	3948	CA	ASN	1102	102.251	59.464	21.831	1.00	31.93
ATOM	3949	CB	ASN	1102	102.220	58.754	20.478	1.00	35.75
ATOM	3950	CG	ASN	1102	102.222	59.722	19.314	1.00	38.97
ATOM	3951	OD1	ASN	1102	103.115	60.562	19.188	1.00	35.68
ATOM	3952	ND2	ASN	1102	101.207	59.617	18.460	1.00	44.14
ATOM	3953	C	ASN	1102	101.174	60.535	21.878	1.00	30.58
ATOM	3954	ŏ	ASN	1102	101.465	61.734	21.820	1.00	28.72
ATOM	3955	N	GLU	1102	99.926	60.092	21.994	1.00	30.88
ATOM	3956	CA	GLU	1103	98.797	61.008	22.081	1.00	31.29
	3957		GLU	1103	97.496	60.236	22.305	1.00	29.94
MOTA		CB CG	GLU	1103	97.490 97.107	59.345	21.143	1.00	26.07
ATOM	3958								26.39
ATOM	3959	CD	GLU	1103	97.147	60.077	19.817	1.00	23.03
ATOM	3960	OE1	GLU	1103	96.367	61.041	19.642	1.00	
ATOM	3961	OE2	GLU	1103	97.972	59.695	18.957	1.00	27.36
ATOM	3962	C	GLU	1103	99.033	61.971	23.236	1.00	31.53
ATOM	3963	0	GLU	1103	98.880	63.183	23.077	1.00	32.08
ATOM	3964	N	VAL	1104	99.448	61.421	24.378	1.00	32.16
ATOM	3965	CA	VAL	1104	99.731	62.201	25.585	1.00	33.27
ATOM	3966	СВ	VAL	1104	100.191	61.286	26.744	1.00	30.58
ATOM	3967	CG1	VAL	1104	100.569	62.110	27.962	1.00	28.79
ATOM	3968	CG2	VAL	1104	99.093	60.304	27.096	1.00	32.06
ATOM	3969	С	VAL	1104	100.823	63.225	25.306	1.00	34.57
ATOM	3970	0	VAL	1104	100.695	64.404	25.649	1.00	34.06
ATOM	3971	N	ARG	1105	101.876	62.762	24.642	1.00	36.12
ATOM	3972	CA	ARG	1105	103.020	63.591	24.291	1.00	37.17
ATOM	3973	CB	ARG	1105	103.981	62.780	23.422	1.00	41.18
ATOM	3974	CG	ARG	1105	105.100	63.589	22.822	1.00	48.61
ATOM	3975	CD	ARG	1105	105.767	62.842	21.689	1.00	54.64
ATOM	3976	NE	ARG	1105	106.570	63.746	20.872	1.00	59.97
ATOM	3977	CZ	ARG	1105	106.096	64.448	19.845	1.00	63.88
ATOM	3978	NH1	ARG	1105	104.816	64.349	19.494	1.00	63.25
ATOM	3979	NH2	ARG	1105	106.899	65.269	19.180	1.00	67.43
ATOM	3980	С	ARG	1105	102.572	64.848	23.552	1.00	35.76
ATOM	3981	0	ARG	1105	102.880	65.968	23.966	1.00	34.77
ATOM	3982	N	LYS	1106	101.805	64.649	22.485	1.00	34.78
ATOM	3983	CA	LYS	1106	101.301	65.747	21.669	1.00	34.00
ATOM	3984	СВ	LYS	1106	100.467	65.198	20.514	1.00	32.67
ATOM	3985	CG	LYS	1106	101.212	64.189	19.670	1.00	31.83
ATOM	3986	CD	LYS	1106	100.416	63.780	18.457	1.00	34.20
ATOM	3987	CE	LYS	1106	99.090	63.176	18.846	1.00	39.46
ATOM	3988	NZ	LYS	1106	98.374	62.649	17.655	1.00	43.75
ATOM	3989	C	LYS	1106	100.485	66.760	22.465	1.00	34.26
ATOM	3990	ŏ	LYS	1106	100.459	67.946	22.128	1.00	35.05
ATOM	3991	N	VAL	1107	99.808	66.293	23.510	1.00	33.42
ATOM	3992	CA	VAL	1107	99.002	67.178	24.338	1.00	33.04
ATOM	3993	CB	VAL	1107	97.977	66.394	24.336 25.195	1.00	29.85
ATOM	3994	CG1	VAL	1107	97.977 97.189		25.195 26.089		
ATOM	39 94 3995	CG2				67.340		1.00	24.12
			VAL	1107	97.031	65.624 67.067	24.302	1.00	30.73
ATOM	3996	C	VAL	1107	99.920	67.967	25.258	1.00	35.29
ATOM	3997	0	VAL	1107	99.868	69.196	25.300	1.00	36.49
ATOM	3998	N	LYS	1108	100.793	67.258	25.959	1.00	36.76
ATOM	3999	CA	LYS	1108	101.710	67.892	26.888	1.00	38.65

				4400	102 492	66.838	27.673	1.00	37.67
ATOM	4000	CB	LYS	1108	102.483	66.008	28.598	1.00	36.98
ATOM	4001	CG	LYS	1108	101.612			1.00	36.47
ATOM	4002	CD	LYS	1108	100.862	66.881	29.597		36.82
ATOM	4003	CE	LYS	1108	101.809	67.684	30.471	1.00	
ATOM	4004	NZ	LYS	1108	101.090	68.507	31.484	1.00	38.27
ATOM	4005	С	LYS	1108	102.663	68.859	26.208	1.00	41.58
ATOM	4006	0	LYS	1108	103.097	69.835	26.821	1.00	41.70
ATOM	4007	N	LYS	1109	102.970	68.598	24.939	1.00	44.26
ATOM	4008	CA	LYS	1109	103.866	69.457	24.172	1.00	46.63
	4009	СВ	LYS	1109	104.735	68.625	23.227	1.00	48.92
ATOM	4010	CG	LYS	1109	105.765	67.752	23.925	1.00	55.10
ATOM	4011	CD	LYS	1109	106.649	67.038	22.917	1.00	57.86
ATOM		CE	LYS	1109	107.698	66.190	23.607	1.00	60.67
ATOM	4012		LYS	1109	108.539	65.453	22.624	1.00	64.20
ATOM	4013	NZ	LYS	1109	103.116	70.503	23.361	1.00	48.09
ATOM	4014	C			103.704	71.143	22.494	1.00	50.31
ATOM	4015	0	LYS	1109		70.671	23.622	1.00	49.80
ATOM	4016	N	TYR	1110	101.823	71.647	22.883	1.00	50.56
ATOM	4017	CA	TYR	1110	101.032		23.054	1.00	49.06
ATOM	4018	CB	TYR	1110	99.526	71.410		1.00	45.63
ATOM	4019	CG	TYR	1110	98.671	72.376	22.240	1.00	42.22
ATOM	4020	CD1	TYR	1110	98.377	72.117	20.902		39.41
ATOM	4021	CE1	TYR	1110	97.615	73.001	20.145	1.00	
ATOM	4022	CD2	TYR	1110	98.172	73.556	22.805	1.00	41.44
ATOM	4023	CE2	TYR	1110	97.410	74.449	22.053	1.00	38.41
ATOM	4024	CZ	TYR	1110	97.135	74.162	20.723	1.00	39.73
ATOM	4025	ОН	TYR	1110	96.377	75.028	19.969	1.00	42.38
ATOM	4026	C	TYR	1110	101.338	73.080	23.262	1.00	52.16
ATOM	4027	ŏ	TYR	1110	101.405	73.433	24.436	1.00	50.66
ATOM	4028	Ň	GLU	1111	101.470	73.909	22.238	1.00	56.35
	4029	CA	GLU	1111	101.726	75.326	22.407	1.00	62.85
ATOM		СВ	GLU	1111	103.170	75.580	22.846	1.00	68.99
ATOM	4030	CG	GLU	1111	103.473	77.039	23.221	1.00	78.92
ATOM	4031		GLU	1111	102.841	77.479	24.544	1.00	86.72
ATOM	4032	CD		1111	102.602	77.833	25.476	1.00	88.71
ATOM	4033	OE1	GLU		103.502	77.492	24.650	1.00	89.94
ATOM	4034	OE2	GLU	1111	101.391	75.977	21.063	1.00	64.72
ATOM	4035	C	GLU	1111		75.595	20.049	1.00	64.03
ATOM	4036	0	GLU	1111	102.047		21.049	1.00	67.72
ATOM	4037	N	GLN	1112	100.489	76.890	19.842	1.00	71.20
ATOM	4038	CA	GLN	1112	100.103	77.616			74.46
ATOM	4039	CB	GLN	1112	99.391	76.686	18.850	1.00	
ATOM	4040	CG	GLN	1112	99.112	77.314	17.482	1.00	77.35
ATOM	4041	CD	GLN	1112		76.426	16.589	1.00	78.90
ATOM	4042	OE1	GLN	1112	97.039	76.566	16.542	1.00	79.16
ATOM	4043	NE2	GLN	1112	98.901	75.505	15.876	1.00	79.35
ATOM	4044	С	GLN	1112	99.168	78.752	20.240	1.00	71.94
ATOM	4045	0	GLN	1112	98.417	78.542	21.217	1.00	72.65
ATOM	4046	СВ	TYR	1233	92.594	79.434	26.175	1.00	39.31
ATOM	4047	CG	TYR	1233	92.140	78.944	24.817	1.00	39.59
ATOM	4048	CD1	TYR	1233	90.810	78.606	24.585	1.00	39.63
	4049	CE1	TYR	1233	90.390	78.142	23.339	1.00	42.81
ATOM	4050	CD2	TYR	1233	93.045	78.808	23.766	1.00	42.38
MOTA		CE2	TYR	1233	92.637	78.345	22.511	1.00	42.93
ATOM	4051		TYR	1233	91.306	78.015	22.306	1.00	42.57
ATOM	4052	CZ		1233		77.574	21.072	1.00	41.24
ATOM -	4053	ОН	TYR	1233		81.012	28.108	1.00	34.30
ATOM	4054	C	TYR				28.647	1.00	35.38
ATOM	4055	0	TYR	1233		80.365	25.767	1.00	37.90
ATOM	4056	N	TYR	1233		81.859		1.00	36.86
ATOM	4057	CA	TYR	1233	91.886	80.707	26.674	1.00	50.00

									
ATOM	4116	CA	LYS	1242	102.525	75.863	31.635	1.00	40.98
ATOM	4117	CB	LYS	1242	103.130	77.162	31.102	1.00	46.48
ATOM		CG	LYS	1242	103.655	78.106	32.184	1.00	54.66
ATOM	4118			1242	104.504	79.227	31.567	1.00	63.33
ATOM	4119	CD	LYS		104.504	80.153	32.623	1.00	68.01
ATOM	4120	CE	LYS	1242			33.488	1.00	71.11
ATOM	4121	NZ	LYS	1242	106.121	79.459			40.38
ATOM	4122	С	LYS	1242	102.068	74.977	30.471	1.00	
ATOM	4123	0	LYS	1242	101.545	75.471	29.472	1.00	40.63
ATOM	4124	N	GLN	1243	102.281	73.672	30.582	1.00	38.45
ATOM	4125	CA	GLN	1243	101.863	72.749	29.531	1.00	37.94
ATOM	4126	СВ	GLN	1243	102.905	71.640	29.338	1.00	42.14
ATOM	4127	CG	GLN	1243	104.293	72.126	28.894	1.00	50.87
ATOM	4128	CD	GLN	1243	104.296	72.805	27.516	1.00	58.97
ATOM	4129	OE1	GLN	1243	104.790	72.248	26.533	1.00	61.73
ATOM	4130	NE2	GLN	1243	103.777	74.026	27.454	1.00	61.92
ATOM	4131	C	GLN	1243	100.502	72.162	29.907	1.00	35.65
ATOM	4132	ō	GLN	1243	100.286	71.781	31.059	1.00	34.91
ATOM	4133	Ň	LEU	1244	99.577	72.130	28.949	1.00	33.29
ATOM	4134	CA	LEU	1244	98.221	71.614	29.176	1.00	29.46
ATOM	4135	CB	LEU	1244	97.495	71.389	27.848	1.00	27.97
ATOM	4136	CG	LEU	1244	97.232	72.570	26.922	1.00	25.53
		CD1	LEU	1244	96.497	72.069	25.701	1.00	23.64
ATOM	4137		LEU	1244	96.426	73.639	27.631	1.00	26.68
ATOM	4138	CD2		1244	98.174	70.315	29.964	1.00	26.37
ATOM	4139	C	LEU			69.423	29.759	1.00	25.40
ATOM	4140	0	LEU	1244	98.990		30.861	1.00	24.19
ATOM	4141	N	LEU	1245	97.203	70.208			21.24
ATOM	4142	CA	LEU	1245	97.043	69.000	31.654	1.00	
ATOM	4143	СВ	LEU	1245	96.010	69.226	32.750	1.00	17.87
ATOM	4144	CG	LEU	1245	96.388	70.166	33.886	1.00	13.30
ATOM	4145	CD1	LEU	1245	95.278	70.190	34.957	1.00	8.28
ATOM	4146	CD2	LEU	1245	97.692	69.691	34.476	1.00	12.89
ATOM	4147	С	LEU	1245	96.577	67.851	30.760	1.00	22.73
ATOM	4148	0	LEU	1245	95.875	68.067	29.772	1.00	22.07
ATOM	4149	N	CYS	1246	96.970	66.631	31.097	1.00	23.09
ATOM	4150	CA	CYS	1246	96.561	65.481	30.311	1.00	24.22
ATOM	4151	CB	CYS	1246	97.564	65.167	29.213	1.00	23.07
ATOM	4152	SG	CYS	1246	96.980	63.858	28.114	1.00	28.22
ATOM	4153	С	CYS	1246	96.409	64.271	31.199	1.00	25.46
ATOM	4154	0	CYS	1246	97.177	64.087	32.149	1.00	26.61
ATOM	4155	N	GLY	1247	95.405	63.457	30.899	1.00	24.77
ATOM	4156	CA	GLY	1247	95.159	62.257	31.669	1.00	23.54
ATOM	4157	C	GLY	1247	95.056	61.081	30.724	1.00	22.83
ATOM	4158	Ö	GLY	1247	94.823	61.260	29.525	1.00	22.59
ATOM	4159	Ň	ALA	1248	95.230	59.878	31.252	1.00	20.75
ATOM	4160	CA	ALA	1248	95.150	58.678	30.437	1.00	20.33
ATOM	4161	CB	ALA	1248	96.536	58.256	29.990	1.00	21.90
ATOM	4162	C	ALA	1248	94.485	57.561	31.222	1.00	20.51
	4163	ŏ	ALA	1248	94.619	57.473	32.447	1.00	18.34
ATOM			ALA	1249	93.740	56.727	30.514	1.00	20.76
MOTA	4164	N				55.622	31.140	1.00	22.52
ATOM	4165	CA	ALA	1249	93.050				22.47
ATOM	4166	CB	ALA	1249	91.670	55.477	30.543	1.00	
ATOM	4167	С	ALA	1249	93.825	54.342	30.928	1.00	24.15
ATOM	4168	0	ALA	1249	94.183	54.019	29.790	1.00	25.00
ATOM	4169	N	ILE	1250	94.105	53.616	32.005	1.00	23.49
ATOM	4170	CA	ILE	1250	94.794	52.341	31.860	1.00	24.48
ATOM	4171	СВ	ILE	1250	96.254	52.330	32.417	1.00	22.98
ATOM	4172	CG2	ILE	1250	97.088	53.412	31.760	1.00	24.80
ATOM	4173	CG1	ILE	1250	96.276	52.433	33.939	1.00	20.21

ATOM	4232	N	TYR	1258	103.911	48.678	32.190	1.00	36.40
ATOM	4233	CA	TYR	1258	104.809	49.189	31.164	1.00	36.55
ATOM	4234	СВ	TYR	1258	105.067	48.121	30.108	1.00	36.16
ATOM	4235	CG	TYR	1258	105.807	48.636	28.901	1.00	37.86
ATOM	4236	CD1	TYR	1258	107.115	49.115	29.004	1.00	37.73
ATOM	4237	CE1	TYR	1258	107.794	49.573	27.883	1.00	39.68
ATOM	4238	CD2	TYR	1258	105.203	48.630	27.648	1.00	41.35
ATOM	4239	CE2	TYR	1258	105.872	49.084	26.525	1.00	42.25
ATOM	4240	CZ	TYR	1258	107.162	49.548	26.644	1.00	42.30
ATOM	4241	ОН	TYR	1258	107.808	49.978	25.510	1.00	46.56
MOTA	4242	С	TYR	1258	104.149	50.402	30.525	1.00	37.00
ATOM	4243	0	TYR	1258	104.794	51.427	30.276	1.00	39.78
ATOM	4244	N	ARG	1259	102.858	50.250	30.243	1.00	35.45
ATOM	4245	CA	ARG	1259	102.029	51.299	29.665	1.00	33.10
ATOM	4246	CB	ARG	1259	100.571	50.829	29.669 29.376	1.00 1.00	35.78 37.91
ATOM	4247	CG	ARG	1259	99.531	51.895	29.376 27.901	1.00	35.20
ATOM	4248	CD	ARG ARG	1259 1259	99.265 98.672	52.018 50.807	27.350	1.00	32.06
ATOM	4249	NE CZ	ARG	1259	97.749	50.790	26.396	1.00	26.80
ATOM	4250 4251	NH1	ARG	1259	97.295	51.923	25.883	1.00	25.25
MOTA	4251 4252	NH2	ARG	1259	97.331	49.634	25.907	1.00	23.32
ATOM ATOM	4252 4253	C	ARG	1259	102.169	52.521	30.558	1.00	30.96
ATOM	4254	Ö	ARG	1259	102.497	53.609	30.098	1.00	31.64
ATOM	4255	N	LEU	1260	101.983	52.309	31.853	1.00	30.09
ATOM	4256	CA	LEU	1260	102.087	53.382	32.820	1.00	30.15
ATOM	4257	СВ	LEU	1260	101.862	52.848	34.237	1.00	26.22
ATOM	4258	CG	LEU	1260	101.775	53.919	35.324	1.00	28.20
ATOM	4259	CD1	LEU	1260	100.640	54.876	34.984	1.00	28.15
ATOM	4260	CD2	LEU	1260	101.578	53.289	36.698	1.00	23.65
ATOM	4261	С	LEU	1260	103.453	54.058	32.704	1.00	31.69
ATOM	4262	0	LEU	1260	103.545	55.285	32.784	1.00	31.52
ATOM	4263	N	ASP	1261	104.503	53.267	32.481	1.00	32.30
ATOM	4264	CA	ASP	1261	105.855	53.811	32.347	1.00	32.19
ATOM	4265	СВ	ASP	1261	106.879	52.703	32.075	1.00	35.55
ATOM	4266	CG	ASP	1261	107.187	51.867	33.304	1.00	40.79
ATOM	4267	OD1	ASP	1261	107.086	52.388	34.434	1.00	40.34
ATOM	4268	OD2	ASP	1261	107.547	50.680	33.136	1.00	45.81
ATOM	4269	C	ASP	1261	105.918	54.821	31.212	1.00	31.49
ATOM	4270	0	ASP	1261	106.286	55.983	31.421	1.00	30.59
ATOM	4271	N	LEU	1262	105.520	54.377	30.021	1.00	28.76
ATOM	4272	CA	LEU	1262	105.536	55.225	28.836	1.00	27.39
ATOM	4273	CB	LEU	1262	105.089	54.431	27.606	1.00	25.44
ATOM	4274	CG CD1	LEU LEU	1262	105.782	53.082 52.486	27.388 26.063	1.00 1.00	20.68 16.25
ATOM ATOM	4275	CD1 CD2	LEU	1262 1262	105.355 107.284	53.263	27.435	1.00	19.30
ATOM	4276 4277	CDZ	LEU	1262	107.284	55.265 56.484	29.010	1.00	27.65
ATOM	4277 4278	Ö	LEU	1262	104.003	57.578	28.616	1.00	28.28
ATOM	427 9	N	LEU	1263	103.590	56.336	29.603	1.00	26.91
ATOM	4280	CA	LEU	1263	103.502	57.476	29.837	1.00	25.75
ATOM	4281	СВ	LEU	1263	101.267	57.021	30.393	1.00	24.46
ATOM	4282	CG	LEU	1263	100.379	56.129	29.534	1.00	21.80
ATOM	4283	CD1	LEU	1263	99.135	55.764	30.338	1.00	14.76
ATOM	4284	CD2	LEU	1263	100.030	56.831	28.216	1.00	18.42
ATOM	4285	C	LEU	1263	103.254	58.430	30.833	1.00	25.07
ATOM	4286	Ö	LEU	1263	103.218	59.642	30.650	1.00	24.45
ATOM	4287	Ň	ALA	1264	103.811	57.867	31.901	1.00	26.55
ATOM	4288	CA	ALA	1264	104.469	58.643	32.945	1.00	27.92
ATOM	4289	СВ	ALA	1264	105.004	57.727	34.030	1.00	26.27

ATOM	4290	С	ALA	1264	105.609	59.400	32.301	1.00	29.62
ATOM	4291	0	ALA	1264	105.830	60.578	32.587	1.00	31.44
ATOM	4292	Ň	LEU	1265		58.718	31.379	1.00	30.37
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ATOM	4293	CA	LEU	1265		59.262	30.646	1.00	29.10
ATOM	4294	CB	LEU	1265		58.150	29.859	1.00	28.95
ATOM	4295	CG	LEU	1265	109.498	58.414	29.306	1.00	31.50
ATOM	4296	CD1	LEU	1265		58.266	30.422	1.00	30.76
ATOM	4297	CD2	LEU	1265		57.415	28.187	1.00	33.34
ATOM	4298	Ç	LEU	1265		60.354	29.683	1.00	28.32
ATOM	4299	0	LEU	1265	107.746	61.272	29.399	1.00	30.26
ATOM	4300	N	ALA	1266		60.221	29.151	1.00	27.20
ATOM	4301	CA	ALA	1266		61.196	28.209	1.00	24.22
ATOM	4302	СВ	ALA	1266		60.554	27.352	1.00	23.15
ATOM	4303	С	ALA	1266		62.432	28.919	1.00	22.49
ATOM	4304	0	ALA	1266	104.268	63.399	28.267	1.00	21.03
ATOM	4305	N	GLY	1267	104.611	62.387	30.249	1.00	21.17
ATOM	4306	CA	GLY	1267		63.523	31.014	1.00	22.19
ATOM	4307		GLY						
		C		1267	102.648	63.543	31.355	1.00	22.76
ATOM	4308	0	GLY	1267	102.041	64.613	31.431	1.00	21.01
ATOM	4309	N	VAL	1268	102.065	62.372	31.591	1.00	23.69
ATOM	4310	CA	VAL	1268	100.653	62.307	31.941	1.00	23.87
ATOM	4311	СВ	VAL	1268	100.080	60.893	31.731	1.00	20.71
ATOM	4312	CG1	VAL	1268					
					100.520	59.964	32.826	1.00	17.95
ATOM	4313	CG2	VAL	1268	98.578	60.950	31.626	1.00	20.64
ATOM	4314	С	VAL	1268	100.452	62.771	33.384	1.00	25.49
ATOM	4315	0	VAL	1268	101.144	62.322	34.303	1.00	26.11
ATOM	4316	N	ASP	1269	99.518	63.697	33.566	1.00	25.93
ATOM	4317	CA	ASP	1269	99.222	64.259	34.879	1.00	
									26.16
ATOM	4318	CR	ASP	1269	98.559	65.635	34.722	1.00	28.20
ATOM	4319	CG	ASP	1269	99.417	66.619	33.933	1.00	31.21
ATOM	4320	OD1	ASP	1269	99.365	66.591	32.686	1.00	31.29
ATOM	4321	OD2	ASP	1269	100.138	67.425	34.558	1.00	33.35
ATOM	4322	C	ASP	1269	98.347	63.358	35.750	1.00	25.89
ATOM	4323	Ô	ASP						
				1269	98.545	63.282	36.961	1.00	28.47
ATOM	4324	N	VAL	1270	97.355	62.709	35.145	1.00	24.11
ATOM	4325	CA	VAL	1270	96.455	61.833	35.889	1.00	21.61
ATOM	4326	CB	VAL	1270	95.073	62.465	36.165	1.00	21.00
ATOM	4327	CG1	VAL	1270	94.877	62.637	37.649	1.00	23.22
ATOM	4328	CG2	VAL	1270	94.880	63.776			
							35.396	1.00	19.40
ATOM	4329	С	VAL	1270	96.165	CO.554	35.148	1.00	21.02
ATOM	4330	0	VAL	1270	95.971	60.559	33.932	1.00	19.61
ATOM	4331	N	VAL	1271	96.102	59.460	35.889	1.00	20.75
ATOM	4332	CA	VAL	1271	95.790	58.183	35.290	1.00	22.08
ATOM	4333	СВ	VAL	1271	96.978	57.212	35.333	1.00	24.24
ATOM	4334	CG1	VAL	1271	96.520				
						55.814	34.937	1.00	20.83
ATOM	4335	CG2	VAL	1271	98.078	57.697	34.380	1.00	25.92
ATOM	4336	С	VAL	1271	94.590	57.598	36.014	1.00	23.47
ATOM	4337	0	VAL	1271	94.499	57.643	37.246	1.00	22.00
ATOM	4338	N	VAL	1272	93.641	57.111	35.227	1.00	23.18
ATOM	4339	CA	VAL	1272	92.437	56.526	35.761		
ATOM	4340							1.00	21.99
		CB	VAL	1272	91.168	57.241	35.221	1.00	25.19
ATOM	4341	CG1	VAL	1272	91.239	57.393	33.715	1.00	25.64
ATOM	4342	CG2	VAL	1272	89.900	56.475	35.637	1.00	26.87
ATOM	4343	С	VAL	1272	92.393	55.052	35.421	1.00	22.23
ATOM	4344	0	VAL	1272	92.586	54.654	34.266	1.00	21.79
ATOM	4345	N	LEU	1273					
					92.195	54.241	36.448	1.00	21.58
ATOM	4346	CA	LEU	1273	92.103	52.812	36.265	1.00	21.13
ATOM	4347	СВ	LEU	1273	92.339	52.122	37.605	1.00	24.63

ATOM	4406	С	ILE	1281	92.901	43.473	43.486	1.00	17.34
ATOM	4407	0	ILE	1281	93.942	44.057	43.733	1.00	17.63
ATOM	4408	N	PHE	1282		43.128	42.255	1.00	18.73
ATOM	4409	CA	PHE	1282		43.402	41.092	1.00	20.07
ATOM	4410	СВ	PHE	1282		43.005	39.795	1.00	17.08
ATOM	4411	CG	PHE	1282		41.588	39.792	1.00	22.43
ATOM	4412	CD1	PHE	1282		40.515	39.820	1.00	26.46
ATOM	4413	CD2	PHE	1282		41.325	39.785	1.00	26.55
				1282		39.201	39.843	1.00	30.07
ATOM	4414	CE1	PHE	1282					
ATOM	4415	CE2	PHE			40.014	39.808	1.00	25.06
ATOM	4416	CZ	PHE	1282		38.956	39.838	1.00	27.50
ATOM	4417	C	PHE	1282		44.888	41.066	1.00	22.54
ATOM	4418	0	PHE	1282		45.287	41.056	1.00	25.62
ATOM	4419	N	GLN	1283		45.709	41.115	1.00	22.95
ATOM	4420	CA	GLN	1283	92.832	47.146	41.093	1.00	21.25
ATOM	4421	CB	GLN	1283	91.511	47.840	40.854	1.00	22.07
ATOM	4422	CG	GLN	1283	91.664	49.331	40.945	1.00	26.78
ATOM	4423	CD	GLN	1283	90.504	50.068	40.363	1.00	25.14
ATOM	4424	OE1	GLN	1283	90.003	51.012	40.961	1.00	25.91
ATOM	4425	NE2	GLN	1283	90.077	49.658	39.178	1.00	27.92
ATOM	4426	С	GLN	1283	93.462	47.689	42.360	1.00	21.70
ATOM	4427	0	GLN	1283	94.318	48.564	42.290	1.00	22.53
ATOM	4428	N	ILE	1284	93.002	47.207	43.512	1.00	22.32
ATOM	4429	CA	ILE	1284	93.535	47.628	44.813	1.00	22.57
ATOM	4430	СВ	ILE	1284	92.981	46.745	45.976	1.00	22.24
ATOM	4431	CG2	ILE	1284	93.803	46.933	47.237	1.00	24.28
ATOM	4432	CG1	ILE	1284	91.519	47.079	46.267	1.00	19.88
ATOM	4433	CD1	ILE	1284	90.888	46.144	47.282	1.00	18.19
ATOM	4434	C.	ILE	1284	95.053	47.490	44.800	1.00	23.74
ATOM	4435	Ö	ILE	1284	95.775	48.376	45.271	1.00	26.46
ATOM	4436	N	ASN	1285	95.532	46.372	44.267	1.00	22.44
ATOM	4437	CA	ASN	1285	96.961	46.124	44.198	1.00	23.17
ATOM	4438	CB	ASN	1285	97.253	44.684	43.759	1.00	20.77
ATOM	4439	CG	ASN	1285	97.233 97.072	43.669	43.73 9 44.887	1.00	20.77
		OD1	ASN	1285		43. 009 42.490		1.00	24.13
ATOM	4440				96.805		44.631		
ATOM	4441	ND2	ASN	1285	97.246	44.108	46.128	1.00	14.74
ATOM	4442	C	ASN	1285	97.617	47.117	43.246	1.00	25.34
ATOM	4443	0	ASN	1285	98.677	47.666	43.546	1.00	28.24
ATOM	4444	N	MET	1286	96.963	47.387	42.124	1.00	25.91
ATOM	4445	CA	MET	1286	97.505	48.323	41.152	1.00	28.16
ATOM	4446	СВ	MET	1286	96.630	48.363	39.902	1.00	28.67
ATOM	4447	CG	MET	1286	97.171	49.264	38.799	1.00	36.28
ATOM	4448	SD	MET	1286	98.715	48.689	38.035	1.00	38.55
ATOM	4449	CE	MET	1286	98.426	49.121	36.310	1.00	33.76
ATOM	4450	С	MET	1286	97.648	49.731	41.738	1.00	29.19
ATOM	4451	0	MET	1286	98.662	50.393	41.527	1.00	30.56
ATOM	4452	N	ILE	1287	96.652	50.174	42.501	1.00	27.85
ATOM	4453	CA	ILE	1287	96.688	51.502	43.092	1.00	25.81
ATOM	4454	CB	ILE	1287	95.405	51.813	43.873	1.00	24.59
ATOM	4455	CG2	ILE	1287	95.458	53.237	44.415	1.00	25.47
ATOM	4456	CG1	ILE	1287	94.193	51.660	42.953	1.00	22.46
ATOM	4457	CD1	ILE	1287	92.874	51.620	43.673	1.00	23.78
ATOM	4458	С	ILE	1287	97.891	51.643	44.005	1.00	26.84
ATOM	4459	Ó	ILE	1287	98.594	52.654	43.950	1.00	28.07
ATOM	4460	N	LYS	1288	98.143	50.623	44.820	1.00	27.20
ATOM	4461	CA	LYS	1288	99.284	50.640	45.736	1.00	27.46
ATOM	4462	СВ	LYS	1288	99.252	49.417	46.650	1.00	30.05
ATOM	4463	CG	LYS	1288	98.036	49.335	47.562	1.00	30.55
				00	30.300		71.502	1.00	55.55

ATOM	4464	CD	LYS	1288		48.045	48.367	1.00	32.83
ATOM	4465	CE	LYS	1288		47.890	49.229	1.00	39.32
ATOM	4466	NZ	LYS	1288		49.020	50.186	1.00	47.11
ATOM	4467	С	LYS	1288	100.596	50.673	44.951	1.00	27.26
ATOM	4468	0	LYS	1288	101.502	51.438	45.273	1.00	27.28
ATOM	4469	N	TYR	1289	100.684	49.846	43.914	1.00	27.29
ATOM	4470	CA	TYR	1289	101.865	49.791	43.056	1.00	28.47
ATOM	4471	CB	TYR	1289	101.625	48.799	41.903	1.00	28.60
ATOM	4472	CG	TYR	1289	102.557	48.960	40.722	1.00	28.87
ATOM	4473	CD1	TYR	1289	102.192	49.728	39.614	1.00	29.46
ATOM	4474	CE1	TYR	1289	103.069	49.914	38.547	1.00	31.03
ATOM	4475	CD2	TYR	1289	103.820	48.375	40.728	1.00	31.59
ATOM	4476	CE2	TYR	1289	104.708	48.553	39.664	1.00	29.02
ATOM	4477	CZ	TYR	1289	104.327	49.321	38.581	1.00	31.10
ATOM	4478	OH	TYR	1289	105.207	49.484	37.536	1.00	30.82
ATOM	4479	C	TYR	1289	102.193	51.180	42.493	1.00	28.78
ATOM	4480	Ö	TYR	1289	102.195	51.669	42.4 9 3 42.641	1.00	29.48
ATOM	4481	N	MET	1299	103.303				
ATOM						51.816	41.883	1.00	29.89
ATOM	4482 4483	CA	MET	1290	101.348	53.133	41.276	1.00	30.44
		CB	MET	1290	100.028	53.561	40.643	1.00	31.57
ATOM	4484	CG	MET	1290	99.579	52.680	39.497	1.00	33.84
ATOM	4485	SD	MET	1290	98.003	53.207	38.816	1.00	34.81
ATOM	4486	CE	MET	1290	98.487	54.694	37.920	1.00	30.99
ATOM	4487	С	MET	1290	101.822	54.226	42.225	1.00	32.79
ATOM	4488	0	MET	1290	102.509	55.159	41.804	1.00	31.48
ATOM	4489	N	LYS	1291	101.417	54.139	43.489	1.00	35.25
ATOM	4490	CA	LYS	1291	101.810	55.132	44.487	1.00	37.17
ATOM	4491	CB	LYS	1291	100.763	55.209	45.602	1.00	38.08
ATOM	4492	CG	LYS	1291	99.336	55.394	45.099	1.00	36.81
ATOM	4493	CD	LYS	1291	99.172	56.661	44.268	1.00	38.58
ATOM	4494	CE	LYS	1291	99.288	57.907	45.130	1.00	38.10
ATOM	4495	NZ	LYS	1291	99.087	59.155	44.349	1.00	34.25
ATOM	4496	С	LYS	1291	103.196	54.824	45.053	1.00	38.96
ATOM	4497	0	LYS	1291	103.878	55.711	45.563	1.00	39.01
ATOM	4498	N	GLU	1292	103.592	53.556	44.994	1.00	41.96
ATOM	4499	CA	GLU	1292	104.916	53.144	45.456	1.00	45.55
ATOM	4500	СВ	GLU	1292	105.037	51.608	45.509	1.00	51.52
ATOM	4501	CG	GLU	1292	104.263	50.910	46.636	1.00	62.57
ATOM	4502	CD .	GLU	1292	104.341	49.374	46.570	1.00	68.88
ATOM	4503	OE1	GLU	1292	103.372	48.706	47.005	1.00	67.53
ATOM	4504	OE2	GLU	1292	105.366	48.833	46.090	1.00	72.18
ATOM	4505	C	GLU	1292	105.907	53.672	44.417	1.00	44.62
ATOM	4506	ŏ	GLU	1292	106.841	54.406	44.740		
ATOM	4507	N	LYS	1293	105.642			1.00	46.70
ATOM	4508	CA	LYS	1293		53.333	43.159	1.00	42.18
ATOM .	4509	CB			106.485	53.724	42.041	1.00	39.72
ATOM			LYS	1293	106.106	52.921	40.799	1.00	36.18
ATOM	4510 4514	CG	LYS	1293	107.107	53.036	39.677	1.00	34.73
	4511	CD	LYS	1293	106.759	52.096	38.554	1.00	34.72
ATOM	4512	CE	LYS	1293	107.897	51.979	37.575	1.00	34.77
ATOM	4513	NZ	LYS	1293	109.072	51.348	38.214	1.00	35.52
ATOM	4514	C	LYS	1293	106.464	55.214	41.719	1.00	39.53
ATOM	4515	0	LYS	1293	107.513	55.821	41.526	1.00	40.47
ATOM	4516	N	TYR	1294	105.278	55.800	41.650	1.00	39.92
ATOM	4517	CA	TYR	1294	105.139	57.217	41.333	1.00	41.35
ATOM	4518	CB	TYR	1294	104.370	57.373	40.019	1.00	39.56
ATOM	4519	CG	TYR	1294	105.002	56.664	38.846	1.00	37.42
ATOM	4520	CD1	TYR	1294	106.057	57.248	38.146	1.00	34.52
ATOM	4521	CE1	TYR	1294	106.647	56.609	37.074	1.00	30.70
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ATOM	4580	CA	GLY	1302	87.841	51.757	38.899	1.00	27.86
		C	GLY	1302	86.635	52.519	38.468	1.00	29.36
ATOM	4581								
ATOM	4582	0	GLY	1302	86.703	53.334	37.558	1.00	34.73
ATOM	4583	N	ASN	1303	85.521	52.201	39.105	1.00	26.96
	4584	CA	ASN	1303	84.243	52.853	38.878	1.00	22.20
ATOM									
ATOM	4585	CB	ASN	1303	83.665	52.538	37.502	1.00	19.58
ATOM	4586	CG	ASN	1303	83.615	53.764	36.600	1.00	21.65
ATOM	4587	OD1	ASN	1303	84.623	54.160	36.019	1.00	23.46
							36.483	1.00	
ATOM	4588	ND2	ASN	1303	82.441	54.373			19.93
ATOM	4589	С	ASN	1303	83.405	52.256	39.975	1.00	21.48
ATOM	4590	0	ASN	1303	83.237	51.031	40.036	1.00	23.60
ATOM	4591	Ň	VAL	1304	83.008	53.104	40.917	1.00	19.16
AŢOM	4592	CA	VAL	1304	82.219	52.680	42.064	1.00	15.46
ATOM	4593	СВ	VAL	1304	82.972	52.975	43.389	1.00	12.26
ATOM	4594	CG1	VAL	1304	84.255	52.158	43.465	1.00	11.22
				1304			43.512	1.00	6.37
ATOM	4595	CG2	VAL		83.279	54.464			
ATOM	4596	С	VAL	1304	80.851	53.346	42.131	1.00	15.07
ATOM	4597	0	VAL	1304	80.628	54.392	41.527	1.00	14.88
ATOM	4598	Ň	VAL	1305	79.921	52.707	42.833	1.00	15.51
ATOM	4599	CA	VAL	1305	78.583	53.256	43.023	1.00	16.66
ATOM	4600	CB	VAL	1305	77.522	52.568	42.135	1.00	11.85
ATOM	4601	CG1	VAL	1305	77.863	52.742	40.686 .	1.00	16.33
						51.113	42.484	1.00	9.15
ATOM	4602	CG2	VAL	1305	77.387				
ATOM	4603	С	VAL	1305	78.162	53.113	44.484	1.00	19.22
ATOM	4604	0	VAL	1305	77.079	53.565	44.871	1.00	21.20
ATOM	4605	Ň	THR	1306	79.049	52.550	45.302	1.00	19.23
ATOM	4606	CA	THR	1306	78.757	52.328	46.715	1.00	19.71
ATOM	4607	СВ	THR	1306	78.495	50.838	46.959	1.00	18.95
ATOM	4608	OG1	THR	1306	77.323	50.444	46.239	1.00	19.72
	4609	CG2	THR	1306	78.309	50.546	48.425	1.00	23.97
ATOM									
ATOM	4610	С	THR	1306	79.843	52.805	47.683	1.00	19.97
ATOM	4611	0	THR	1306	81.036	52.772	47.374	1.00	19.43
ATOM	4612	N	ALA	1307	79.411	53.232	48.866	1.00	20.52
			ALA	1307	80.310	53.703		1.00	20.85
ATOM	4613	CA					49.908		
ATOM	4614	CB	ALA	1307	79.502	54.112	51.123	1.00	20.42
ATOM	4615	С	ALA	1307	81.341	52.624	50.282	1.00	22.03
ATOM	4616	0	ALA	1307	82.516	52.922	50.508	1.00	23.72
				1308					
ATOM	4617	N	ALA		80.897	51.372	50.323	1.00	20.40
ATOM	4618	CA	ALA	1308	81.761	50.245	50.653	1.00	18.53
ATOM	4619	СВ	ALA	1308	80.937	48.987	50.770	1.00	21.04
ATOM	4620	C	ALA	1308	82.870	50.059	49.623	1.00	18.54
	1001	_			04.000	40.000			
AIOM	4621	0	ALA	1308	84.023	49.828	49.983	1.00	22.02
ATOM	4622	N	GLN	1309	82.517	50.135	48.344	1.00	16.74
ATOM	4623	CA	GLN	1309	83.498	50.009	47.276	1.00	18.03
ATOM	4624	СВ	GLN	1309	82.828	50.091	45.913	1.00	20.48
ATOM	4625	CG	GLN	1309	81.908	48.962	45.530	1.00	16.20
ATOM	4626	CD	GLN	1309	81.190	49.286	44.240	1.00	16.50
ATOM	4627	OE1	GLN	1309	80.346	50.187	44.202	1.00	18.85
ATOM	4628	NE2	GLN	1309	81.552	48.599		1.00	12.20
							43.164		
ATOM	4629	С	GLN	1309	84.468	51.179	47.376	1.00	19.43
ATOM	4630	0	GLN	1309	85.679	51.011	47.245	1.00	21.03
ATOM	4631	Ň	ALA	1310	83.916	52.373	47.569	1.00	20.11
ATOM	4632	CA	ALA	1310	84.718	53.586	47.686	1.00	21.85
ATOM	4633	СВ	ALA	1310	83.817	54.794	47.940	1.00	20.77
ATOM	4634	С	ALA	1310	85.771	53.463	48.791	1.00	22.24
ATOM	4635	ŏ	ALA	1310	86.928	53.834	48.593	1.00	22.99
ATOM	4636	N	LYS	1311	85.384	52.886	49.924	1.00	21.35
ATOM	4637	CA	LYS	1311	86.295	52.719	51.050	1.00	22.31

ATOM	4696	CG	ASP	1319	95.637	60.944	44.391	1.00	27.24
ATOM	4697	OD1	ASP	1319	96.101	61.403	45.454	1.00	29.40
ATOM	4698	OD2	ASP	1319	96.252	60.129	43.678	1.00	29.66
ATOM	4699	C	ASP	1319	91.793	61.284	44.397	1.00	23.19
ATOM	4700	ō	ASP	1319	91.499	62.450	44.692	1.00	22.82
ATOM	4701	Ň	ALA	1320	90.985	60.469	43.717	1.00	21.37
ATOM	4702	CA	ALA	1320	89.648	60.837	43.248	1.00	18.83
ATOM	4703	СВ	ALA	1320	89.734	61.685	41.991	1.00	17.58
ATOM	4704	С	ALA	1320	88.921	59.544	42.934	1.00	19.14
ATOM	4705	0	ALA	1320	89.555	58.500	42.779	1.00	21.36
ATOM	4706	N	LEU	1321	87.600	59.606	42.817	1.00	18.91
ATOM	4707	CA	LEU	1321	86.806	58.417	42.512	1.00	18.35
ATOM	4708	CB	LEU	1321	85.902	58.065	43.697	1.00	19.13
ATOM	4709	CG	LEU	1321	86.535	57.340	44.889	1.00	18.32
ATOM	4710	CD1	LEU	1321	85.605	57.384	46.085	1.00	18.96
ATOM	4711	CD2	LEU	1321	86.850	55.905	44.510	1.00	16.25
ATOM	4712	С	LEU	1321	85.959	58.608	41.259	1.00	17.08
ATOM	4713	0	LEU	1321	85.424	59.689	41.027	1.00	16.83
ATOM	4714	N	ARG	1322	85.887	57.581	40.421	1.00	14.82
ATOM	4715	CA	ARG	1322	85.071	57.654	39.216	1.00	14.44
ATOM	4716	СВ	ARG	1322	85.820	57.032	38.043	1.00	11.02
ATOM	4717	CG	ARG		85.147	57.239	36.713	1.00	13.22
ATOM	4718	CD	ARG		86.089	56.862	35.596	1.00	14.14
ATOM	4719	NE	ARG		85.437 85.730	56.859 56.013	34.295	1.00	16.06
ATOM	4720	CZ.	ARG		85.739	56.013 55.103	33.312 33.430	1.00 1.00	18.68 12.90
ATOM	4721	NH1	ARG		86.688 85.089	55.103 56.065	33. 4 30 32.160	1.00	22.89
ATOM	4722 4723	NH2 C	ARG ARG		83.788	56.877	39.565	1.00	15.81
ATOM ATOM	4723 4724	0	ARG		83.828	55.671	39.806	1.00	15.90
ATOM	472 4 4725	N	VAL		82.666	57.583	39.648	1.00	15.81
ATOM	4726	CA	VAL		81.407	56.972	40.047	1.00	16.05
ATOM	4727	СВ	VAL		80.766	57.791	41.177	1.00	15.65
ATOM	4728	CG1	VAL		79.392	57.253	41.525	1.00	19.48
ATOM	4729	CG2	VAL		81.676	57.789	42.396	1.00	16.93
ATOM	4730	C	VAL		80.368	56.743	38.961	1.00	18.35
ATOM	4731	ō	VAL		79.986	57.670	38.238	1.00	19.74
ATOM	4732	N	GLY		79.864	55.514	38.903	1.00	17.75
ATOM	4733	CA	GLY		78.850	55.170	37.927	1.00	15.53
ATOM	4734	С	GLY		78.957	53.738	37.447	1.00	15.75
ATOM	4735	0	GLY	1324	80.061	53.250	37.213	1.00	16.50
ATOM	4736	N	MET	1325	77.828	53.032	37.409	1.00	15.15
ATOM	4737	CA	MET		77.793	51.668	36.902	1.00	14.24
ATOM	4738	CB	MET		77.998	50.635	37.999	1.00	13.83
ATOM	4739	CG	MET		78.194	49.236	37.432	1.00	18.02
ATOM	4740	SD	MET		78.376	47.970	38.682	1.00	25.48
ATOM	4741	CE	MET		79.669	48.707	39.673	1.00	29.99
ATOM	4742	С	MET		76.496	51.387	36.140	1.00	13.62
ATOM	4743	0	MET		75.433	51.229	36.732	1.00	14.65
ATOM	4744	N	GLY		76.592	51.401	34.816	1.00	15.59
ATOM	4745	CA.	GLY		75.449	51.129	33.968	1.00	18.92
ATOM	4746 4747	C	GLY		74.629	52.296	33.448	1.00	21.59
ATOM	4747	0	GLY		73.781	52.111	32.576	1.00	23.28
ATOM	4748	N CA	CYS CYS		74.872	53.496	33.954	1.00	23.19
MOTA	4749 4750	CB	CYS		74.110 74.136	54.665 55.720	33.521	1.00	23.22
ATOM ATOM	4750 4751	SG	CYS		74.136 75.784	55.729 56.191	34.613 35.112	1.00 1.00	18.50
ATOM	4751 4752	C	CYS		74.565	55.266	32.189	1.00	18.84 24.78
ATOM	4753	Ö	CYS		73.901	56.161	31.646	1.00	24.76 26.13
, OIVI	-, JJ	•	010	1021	. 0.001	55.151	57.040	1.00	20,13

ATOM	4870	NH1	ARG	1341	74.766	53.690	46.412	1.00	3.80
ATOM	4871	NH2	ARG	1341	72.593	53.820	47.128	1.00	3.16
ATOM	4872	С	ARG	1341	72.579	53.009	39.660	1.00	10.77
ATOM	4873	0	ARG	1341		53.550	38.753	1.00	11.78
ATOM	_. 4874	N	PRO	1342		53.481	40.069	1.00	10.84
ATOM	4875	CD	PRO	1342		52.728	40.802	1.00	9.90
ATOM	4876	CA	PRO	1342		54.746	39.568	1.00	10.04
ATOM	4877	СВ	PRO	1342		54.864	40.334	1.00	11.35
ATOM	4878	CG	PRO	1342		53.444	40.408	1.00	8.27
ATOM	4879	C	PRO	1342		55.876	39.908	1.00	12.01
ATOM	4880	0	PRO	1342		56.118	41.080	1.00	14.18
ATOM	4881	N	GLN	1343		56.583	38.877	1.00	12.98
ATOM ATOM₁	4882 4883	CA	GLN	1343	73.258	57.645 50.240	39.005	1.00	13.22
ATOM	4884	CB CG	GLN GLN	1343 1343	73.562 74.898	58.248	37.630	1.00	11.87
ATOM	4885	CD	GLN	1343	74.090 76.076	58.969 58.115	37.559 38.015	1.00 1.00	15.91
ATOM	4886	OE1	GLN	1343	75.935	56.919	38.293	1.00	20.74 23.33
ATOM	4887	NE2	GLN	1343	77.247	58.730	38.090	1.00	23.33 21.84
ATOM	4888	C	GLN	1343	73.132	58.742	40.060	1.00	14.18
ATOM	4889	ŏ	GLN	1343	74.038	58.911	40.867	1.00	16.74
ATOM	4890	N	ALA	1344	72.052	59.512	40.064	1.00	14.34
ATOM	4891	CA	ALA	1344	71.940	60.572	41.062	1.00	14.79
ATOM	4892	CB	ALA	1344	70.638	61.304	40.927	1.00	14.45
ATOM	4893	C	ALA	1344	72.086	60.012	42.466	1.00	15.98
ATOM	4894	ŏ	ALA	1344	72.612	60.685	43.351	1.00	18.86
ATOM	4895	N	THR	1345	71.632	58.775	42.664	1.00	17.15
ATOM	4896	CA	THR	1345	71.724	58.118	43.965	1.00	17.05
ATOM	4897	СВ	THR	1345	70.834	56.859	44.039	1.00	15.53
ATOM	4898	OG1	THR	1345	69.452	57.234	43.996	1.00	13.75
ATOM	4899	CG2	THR	1345	71.101	56.095	45.329	1.00	12.86
ATOM	4900	C	THR	1345	73.168	57.734	44.284	1.00	17.66
ATOM	4901	Ō	THR	1345	73.638	57.958	45.402	1.00	18.39
ATOM	4902	N	ALA	1346	73.861	57.151	43.304	1.00	16.69
ATOM	4903	CA	ALA	1346	75.257	56.738	43.478	1.00	14.38
ATOM	4904	CB	ALA	1346	75.737	55.973	42.253	1.00	11.74
ATOM	4905	С	ALA	1346	76.139	57.959	43.716	1.00	13.89
ATOM	4906	0	ALA	1346	77.034	57.947	44.562	1.00	15.03
ATOM	4907	Ν.	VAL	1347	75.858	59.022	42.977	1.00	13.19
ATOM	4908	CA	VAL	1347	76.610	60.255	43.098	1.00	13.37
ATOM	4909	CB	VAL	1347	76.216	61.260	41.994	1.00	10.97
ATOM	4910	CG1	VAL	1347	76.915	62.601	42.199	1.00	7.46
ATOM	4911	CG2	VAL	1347	76.578	60.679	40.638	1.00	7.82
ATOM	4912	С	VAL	1347	76.419	60.852	44.488	1.00	15.39
ATOM	4913	0	VAL	1347	77.404	61.225	45.133	1.00	18.76
ATOM	4914	N	TYR	1348	75.179	60.893	44.979	1.00	15.23
ATOM	4915	CA	TYR	1348	74.927	61.441	46.311	1.00	15.80
ATOM	4916	CB	TYR	1348	73.428	61.571	46.601	1.00	11.70
ATOM	4917	CG	TYR	1348	73.169	62.031	48.018	1.00	11.19
ATOM	4918	CD1	TYR	1348	73.374	63.354	48.383	1.00	13.82
ATOM	4919	CE1	TYR	1348	73.219	63.775	49.704	1.00	12.58
ATOM	4920	CD2	TYR	1348	72.792	61.132	49.014	1.00	13.36
ATOM	4921	CE2	TYR	1348	72.633	61.545	50.341	1.00	11.68
ATOM	4922	CZ	TYR	1348	72.850	62.872	50.672	1.00	12.94
ATOM	4923	ОН	TYR	1348	72.686	63.308	51.965	1.00	18.66
ATOM	4924	C	TYR	1348	75.580	60.593	47.409	1.00	17.42
ATOM	4925	0	TYR	1348	76.324	61.106	48.259	1.00	16.32
ATOM	4926	N	LYS	1349	75.312	59.291	47.369	1.00	18.79
ATOM	4927	CA	LYS	1349	75.838	58.352	48.357	1.00	20.46

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ATOM	4986	CA	ARG	1356	85.020	62.575	54.610	1.00	25.43
ATOM	4987	СВ	ARG	1356		61.540	55.386	1.00	26.45
ATOM	4988	CG	ARG	1356		61.888	55.487	1.00	33.21
ATOM	4989	CD	ARG	1356		60.892	56.336	1.00	37.91
						61.270			44.13
ATOM	4990	NE	ARG	1356			56.459	1.00	
ATOM	4991	CZ	ARG	1356		62.180	57.311	1.00	50.10
ATOM	4992	NH1	ARG	1356		62.829	58.142	1.00	50.72
ATOM	4993	NH2	ARG	1356		62.456	57.327	1.00	51.78
ATOM	4994	С	ARG	1356	86.505	62.167	54.580	1.00	24.79
ATOM	4995	0	ARG	1356	87.144	62.017	55.626	1.00	28.39
ATOM	4996	N	PHE	1357		62.006	53.380	1.00	20.35
ATOM	4997	CA	PHE	1357		61.617	53.214	1.00	19.19
ATOM	4998	СВ	PHE	1357	88.495	60.141	52.842	1.00	18.36
ATOM	4999	CG	PHE	1357	87.699	59.288	53.765	1.00	19.85
ATOM	5000	CD1	PHE	1357	88.239	58.871	54.978	1.00	21.81
ATOM	5001	CD2	PHE	1357		59.018	53.499	1.00	19.20
ATOM	5002	CE1	PHE	1357	87.456	5ö. <u>211</u>	55.919	1.00	18.86
ATOM	5003	CE2	PHE	1357	85.583	58.362	54.432	1.00	20.85
ATOM	5004	CZ	PHE	1357	86.129	57.960	55.646	1.00	18.81
ATOM	5005	С	PHE	1357	89.113	62.473	52.158	1.00	20.97
ATOM	5006	0	PHE	1357	90.140	62.092	51.590	1.00	22.54
ATOM	5007	N	GLY	1358	88.509	63.626	51.884	1.00	20.40
ATOM	5008	CA	GLY	1358	89.043	64.549	50.899	1.00	17.74
ATOM	5009	С	GLY	1358	89.167	63.989	49.498	1.00	17.67
ATOM	5010	Ö	GLY	1358	89.860	64.575	48.660	1.00	19.43
ATOM.	5011	Ň	VAL	1359	88.485	62.883	49.221	1.00	15.95
ATOM	5012	CA	VAL	1359	88.562	62.270	47.902	1.00	15.11
ATOM	5012	CB	VAL	1359	88.490	60.742	47.902 47.991		
								1.00	11.79
ATOM	5014	CG1	VAL	1359	88.597	60.139	46.612	1.00	12.33
ATOM	5015	CG2	VAL	1359	89.604	60.219	48.871	1.00	13.37
ATOM	5016	C	VAL	1359	87.455	62.766	46.976	1.00	15.32
ATOM	5017	0	VAL	1359	86.276	62.506	47.213	1.00	16.23
ATOM	5018	N	PRO	1360	87.823	63.527	45.933	1.00	15.11
ATOM	5019	CD	PRO	1360	89.158	64.109	45.719	1.00	14.19
ATOM	5020	CA	PRO	1360	86.871	64.067	44.960	1.00	15.11
ATOM	5021	CB	PRO	1360	87.766	64.902	44.047	1.00	15.19
ATOM	5022	CG	PRO	1360	88.832	65.371	44.977	1.00	12.72
ATOM	5023	C	PRO	1360	86.138	62.962	44.195	1.00	14.73
ATOM	5024	0	PRO	1360	86.675	61.875	43.995	1.00	15.41
ATOM	5025	N	VAL	1361	84.919	63.262	43.756	1.00	14.39
ATOM	5026	CA	VAL	1361	84.074	62.311	43.048	1.00	13.41
ATOM	5027	СВ	VAL	1361	82.783	62.027	43.881	1.00	12.70
ATOM	5028	CG1	VAL	1361	81.633	61.550	43.000		
ATOM	5029	CG2	VAL	1361				1.00	11.96
					83.084	60.991	44.951	1.00	11.77
ATOM	5030	C	VAL.	1361	83.703	62.786	41.647	1.00	13.98
ATOM	5031	0	VAL	1361	83.104	63.845	41.483	1.00	14.14
ATOM	5032	N	ILE	1362	84.069	61.991	40.647	1.00	15.72
ATOM	5033	CA	ILE	1362	83.770	62.280	39.244	1.00	17.31
ATOM	5034	CB	ILE	1362	84.853	61.691	38.273	1.00	15.17
ATOM	5035	CG2	ILE	1362	84.462	61.952	36.822	1.00	7.15
ATOM	5036	CG1	ILE	1362	86.246	62.259	38.587	1.00	15.08
ATOM	5037	CD1	ILE	1362	87.343	61.761	37.659	1.00	5.33
ATOM	5038	C	ILE	1362	82.452	61.584	38.917	1.00	19.48
ATOM	5039	ŏ	ILE	1362	82.396	60.348	38.906	1.00	20.54
ATOM	5040	Ň	ALA	1363	81.393	62.363	38.685	1.00	
ATOM	5041	CA	ALA	1363					19.94
	5041				80.082	61.807	38.337	1.00	18.31
ATOM		СВ	ALA	1363	78.996	62.841	38.555	1.00	17.29
ATOM	5043	С	ALA	1363	80.158	61.387	36.869	1.00	18.95

ATOM	5044	0	ALA	1363	80.061	62.218	35.961	1.00	17.38
ATOM	5045	Ň	ASP	1364		60.083	36.656	1.00	21.34
ATOM	5046	CA	ASP	1364		59.502	35.327	1.00	22.87
		СВ	ASP	1364		58.715	35.345	1.00	22.78
ATOM	5047						34.065		19.89
ATOM	5048	CG	ASP	1364		57.973		1.00	
MOTA	5049	OD1	ASP	1364		58.524	32.990	1.00	18.84
ATOM	5050	OD2	ASP	1364		56.838	34.139	1.00	22.02
ATOM	5051	С	ASP	1364		58.638	34.739	1.00	22.91
ATOM	5052	0	ASP	1364	79.172	57.479	35.123	1.00	22.90
ATOM	5053	N	GLY	1365	78.675	59.179	33.731	1.00	22.55
ATOM	5054	CA	GLY	1365	77.601	58.453	33.081	1.00	22.28
ATOM	5055	C	GLY	1365	76.211	59.013	33.325	1.00	22.48
ATOM	5056	ŏ	GLY	1365	75.886	59.417	34.439	1.00	22.82
ATOM	5057	N	GLY	1366	75.398	59.047	32.272	1.00	23.81
					74.037	59.540	32.383	1.00	25.79
ATOM	5058	CA	GLY	1366					
ATOM	5059	C	GLY	1366	73.820	61.032	32.203	1.00	27.55
ATOM	5060	0	GLY	1366	72.827	61.578	32.678	1.00	30.08
ATOM	5061	N	ILE	1367	74.742	61.711	31.536	1.00	29.05
ATOM	5062	CA	ILE	1367	74.600	63.139	31.305	1.00	28.73
ATOM	5063	CB	ILE	1367	75.948	63.897	31.486	1.00	29.81
ATOM	5064	CG2	ILE	1367	75.757	65.397	31.255	1.00	29.11
ATOM	5065	CG1	ILE	1367	76.546	63.631	32.873	1.00	28.67
ATOM	5066	CD1	ILE	1367	75.734	64.175	34.022	1.00	28.35
ATOM	5067	C	ILE	1367	74.138	63.310	29.862	1.00	30.48
ATOM	5068	ō	ILE	1367	74.561	62.565	28.969	1.00	31.42
ATOM	5069	Ň	GLN	1368	73.237	64.261	29.645	1.00	31.28
ATOM	5070	CA	GLN	1368	72.734	64.561	28.308	1.00	33.21
								1.00	
ATOM	5071	СВ	GLN	1368	71.673	63.558	27.850		38.74
ATOM	5072	CG	GLN	1368	72.188	62.559	26.791	1.00	47.07
ATOM	5073	CD	GLN	1368	72.526	63.203	25.434	1.00	49.78
ATOM	5074	OE1	GLN	1368	71.694	63.239	24.523	1.00	51.57
ATOM	5075	NE2	GLN	1368	73.759	63.666	25.287	1.00	49.82
ATOM	5076	С	GLN	1368	72.217	65.984	28.212	1.00	31.65
ATOM	5077	0	GLN	1368	71.541	66.347	27.258	1.00	33.54
ATOM	5078	N	ASN	1369	72.551	66.786	29.213	1.00	28.87
ATOM	5079	CA	ASN	1369	72.176	68.185	29.253	1.00	27.68
ATOM	5080	CB	ASN	1369	70.650	68.398	29.193	1.00	26.97
ATOM	5081	CG	ASN	1369	69.903	67.728	30.324	1.00	26.85
ATOM	5082	OD1	ASN	1369	70.263	67.852	31.496	1.00	26.95
ATOM	5083	ND2	ASN	1369	68.829	67.037	29.978	1.00	28.12
ATOM	5084	C	ASN	1369	72.782	68.803	30.494	1.00	27.65
		_							
ATOM	5085	O	ASN	1369	73.240	68.082	31.396	1.00	27.37
ATOM	5086	N	VAL	1370	72.844	70.133	30.497	1.00	26.63
ATOM	5087	CA	VAL	1370	73.404	70.901	31.601	1.00	23.97
ATOM	5088	СВ	VAL	1370	73.319	72.421	31.311	1.00	25.11
ATOM	5089	CG1	VAL	1370	73.858	73.222	32.487	1.00	25.59
ATOM	5090	CG2	VAL	1370	74.089	72.758	30.038	1.00	18.81
ATOM	5091	С	VAL	1370	72.684	70.569	32.902	1.00	22.46
ATOM	5092	0	VAL	1370	73.298	70.540	33.967	1.00	21.96
ATOM	5093	N	GLY	1371	71.389	70.285	32.799	1.00	22.70
ATOM	5094	CA	GLY	1371	70.599	69.939	33.968	1.00	20.55
ATOM	5095	Ĉ.	GLY	1371	71.251	68.798	34.714	1.00	19.42
ATOM	5096	ŏ	GLY	1371	71.468	68.881	35.914	1.00	20.90
ATOM	5097	N	HIS	1372	71.400	67.746	33.993	1.00	18.46
ATOM	5097 5098	CA	HIS	1372	71.013				
						66.596	34.600	1.00	17.54
ATOM	5099 5100	CB	HIS	1372	72.555	65.532	33.538	1.00	19.84
ATOM	5100 5101	CG	HIS	1372	71.327	64.935	32.917	1.00	19.86
ATOM	5101	CD2	HIS	1372	71.148	64.297	31.733	1.00	16.94

	5400	ND4	LISC	1372	70.099	64.914	33.540	1.00	20.56
MOTA	5102	ND1	HIS		69.222	64.291	32.779	1.00	18.07
ATOM	5103	CE1	HIS	1372		63.907	31.674	1.00	18.04
ATOM	5104	NE2	HIS	1372	69.841			1.00	16.89
ATOM	5105	С	HIS	1372	73.556	67.024	35.287		
ATOM	5106	0	HIS	1372	73.819	66.642	36.425	1.00	16.89
ATOM	5107	N	ILE	1373	74.337	67.860	34.610	1.00	17.42
ATOM	5108	CA	ILE	1373	75.606	68.341	35.154	1.00	15.96
ATOM	5109	СВ	ILE	1373	76.362	69.204	34.134	1.00	15.20
	5110	CG2	ILE	1373	77.651	69.733	34.743	1.00	17.65
ATOM	5111	CG1	ILE	1373	76.666	68.381	32.880	1.00	9.89
ATOM			ILE	1373	77.325	69.185	31.795	1.00	8.53
ATOM	5112	CD1		1373	75.433	69.121	36.456	1.00	15.25
ATOM	5113	C	ILE		76.138	68.863	37.430	1.00	16.51
ATOM	5114	0	ILE	1373			36.477	1.00	14.86
ATOM	5115	N	ALA	1374	74.498	70.065		1.00	14.25
ATOM	5116	CA	ALA	1374	74.235	70.854	37.679		
ATOM	5117	CB	ALA	1374	73.204	71.923	37.394	1.00	11.74
ATOM	5118	С	ALA	1374	73.758	69.963	38.823	1.00	15.36
ATOM	5119	0	ALA	1374	74.166	70.146	39.967	1.00	16.74
ATOM	5120	N	LYS	1375	72.923	68.977	38.506	1.00	16.36
ATOM	5121	CA	LYS	1375	72.390	68.063	39.515	1.00	16.18
	5122	СВ	LYS	1375	71.293	67.177	38.921	1.00	16.44
ATOM		CG	LYS	1375	70.020	67.950	38.597	1.00	16.99
ATOM	5123		LYS	1375	68.973	67.103	37.894	1.00	17.81
ATOM	5124	CD			67.701	67.914	37.671	1.00	18.59
ATOM	5125	CE	LYS	1375			37.162	1.00	16.68
ATOM	5126	NZ	LYS	1375	66.576	67.092		1.00	15.85
ATOM	5127	С	LYS	1375	73.484	67.219	40.137		16.57
ATOM	5128	0	LYS	1375	73.546	67.080	41.359	1.00	
ATOM	5129	N	ALA	1376	74.357	66.672	39.300	1.00	14.84
ATOM	5130	CA	ALA	1376	75.468	65.867	39.786	1.00	13 60
ATOM	5131	CB	ALA	1376	76.314	65.398	38.633	1.00	11.96
ATOM	5132	С	ALA	1376	76.309	66.714	40.732	1.00	14.60
ATOM	5133	Ō	ALA	1376	76.601	66.300	41.849	1.00	17.56
ATOM	5134	Ň	LEU	1377	76.661	67.918	40.295	1.00	13.87
	5135	CA	LEU	1377	77.466	68.829	41.100	1.00	14.63
ATOM	5136	CB	LEU	1377	77.741	70.126	40.322	1.00	14.18
ATOM		CG	LEU	1377	78.412	70.033	38.945	1.00	11.92
ATOM	5137			1377	78.385	71.376	38.281	1.00	11.93
ATOM	5138	CD1	LEU			69.521	39.049	1.00	10.66
ATOM	5139	CD2	LEU	1377	79.831			1.00	15.88
ATOM	5140	С	LEU	1377	76.728	69.155	42.394		16.02
ATOM	5141	0	LEU	1377	77.289	69.070	43.482	1.00	
ATOM	5142	N	ALA	1378	75.442	69.460	42.266	1.00	18.34
ATOM	5143	CA	ALA	1378	74.606	69.813	43.406	1.00	18.74
ATOM	5144	CB	ALA	1378	73.235	70.252	42.931	1.00	18.93
ATOM	5145	С	ALA	1378	74.474	68.688	44.414	1.00	20.05
ATOM	5146	0	ALA	1378	74.233	68.927	45.600	1.00	23.62
ATOM	5147	N	LEU	1379	74.631	67.456	43.957	1.00	19.27
ATOM	5148	CA	LEU	1379	74.514	66.330	44.862	1.00 、	17.31
ATOM	5149	СВ	LEU	1379	73.839	65.160	44.158	1.00	14.86
	5150	CG	LEU	1379	72.367	65.373	43.794	1.00	11.16
ATOM			LEU	1379	71.828	64.139	43.131	1.00	13.25
ATOM	5151 5152	CD1		1379	71.563	65.666	45.038	1.00	12.87
ATOM	5152	CD2	LEU				45.530	1.00	19.22
ATOM	5153	C	LEU	1379	75.820	65.902 65.030		1.00	22.97
ATOM	5154	0	LEU	1379	75.799	65.039	46.406		
ATOM	5155	N	GLY	1380	76.951	66.490	45.137	1.00	18.29
MOTA	5156	CA	GLY	1380	78.210	66.122	45.773	1.00	18.10
ATOM	5157	С	GLY	1380	79.440	65.888	44.907	1.00	17.70
ATOM	5158	0	GLY	1380	80.567	66.032	45.380	1.00	14.69
ATOM	5159	N	ALA	1381	79.240	65.501	43.653	1.00	18.38

		~ ^	ALA	1381	80.359	65.247	42.753	1.00	18.79
ATOM	5160	CA	ALA	1381	79.849	64.746	41.422	1.00	17.88
ATOM	5161	СВ	ALA	1381	81.179	66.507	42.545	1.00	19.77
ATOM	5162	C	ALA	1381	80.628	67.601	42.532	1.00	22.90
ATOM	5163	0	SER	1382	82.492	66.358	42.400	1.00	20.02
ATOM	5164	N _A	SER	1382	83.367	67.507	42.160	1.00	20.59
ATOM	5165	CA CB	SER	1382	84.749	67.266	42.768	1.00	18.13
ATOM	5166	OG	SER	1382	84.652	67.191	44.180	1.00	15.75
ATOM	5167	C	SER	1382	83.475	67.871	40.668	1.00	20.80
ATOM	5168 5160	Ö	SER	1382	83.501	69.054	40.304	1.00	21.81
ATOM	5169 5170	N	THR	1383	83.535	66.856	39.813	1.00	17.88
ATOM	5170	CA	THR	1383	83.621	67.065	38.377	1.00	17.53
ATOM ATOM	5172	СВ	THR	1383	85.075	66.831	37.818	1.00	17.61
ATOM	5173	0G1	THR	1383	85.611	65.603	38.328	1.00	20.84
ATOM	5174	CG2	THR	1383	86.013	67.982	38.180	1.00	8.94
ATOM	5175	C	THR	1383	82.639	66.100	37.719	1.00	17.87
ATOM	5176	Ö	THR	1383	82.062	65.243	38.388	1.00	18.28
ATOM	5177	N	VAL	1384	82.457	66.225	36.411	1.00	17.76
ATOM	5178	CA	VAL	1384	81.531	65.370	35.689	1.00	18.85
ATOM	5179	СВ	VAL	1384	80.239	66.138	35.325	1.00	20.09
ATOM	5180	CG1	VAL	1384	79.243	65.206	34.650	1.00	22.58
ATOM	5181	CG2	VAL	1384	79.618	66.748	36.576	1.00	19.94
ATOM	5182	С	VAL	1384	82.211	64.888	34.417	1.00	19.13
ATOM	5183	0	VAL	1384	82.887	65.665	33.747	1.00	19.52 19.13
ATOM	5184	N	MET	1385	82.044	63.606	34.104	1.00	18.23
ATOM	5185	CA	MET	1385	82.645	62.997	32.915	1.00	17.04
ATOM	5186	CB	MET	1385	83.345	61.688	33.284	1.00 1.00	17.04
ATOM	5187	CG	MET	1385	84.081	61.051	32.136	1.00	19.09
ATOM	5188	SD	MET	1385	84.923	59.571	32.655	1.00	21.08
ATOM	5189	CE	MET	1385	86.456	60.251	33.317	1.00	17.99
ATOM	5190	С	MET	1385	81.578	62.719	31.868	1.00	19.60
ATOM	5191	0	MET	1385	80.519	62.179	32.182 30.615	1.00	18.35
ATOM	5192	N	MET	1386	81.875	63.037 62.837	29.541	1.00	16.61
ATOM	5193	CA	MET	1386	80.910	64.190	29.027	1.00	14.36
ATOM	5194	СВ	MET	1386	80.431	65.051	30.037	1.00	12.38
ATOM	5195	CG	MET	1386	79.810	66.733	29.547	1.00	18.87
ATOM	5196	SD	MET	1386	79.667 81.312	67.356	29.974	1.00	17.73
ATOM	5197	CE	MET	1386 1386	81.441	62.023	28.376	1.00	15.70
ATOM	5198	C	MET	1386	82.617	62.092	28.044	1.00	11.01
ATOM	5199	0	MET	1387	80.561	61.212	27.806	1.00	19.29
ATOM	5200	N	GLY GLY	1387	80.901	60.398	26.659	1.00	23.41
ATOM	5201	CA	GLY	1387		60.931	25.523	1.00	26.99
ATOM	5202	C	GLY	1387		61.715	24.698	1.00	29.23
ATOM	5203	0	SER	1388		60.624	25.566	1.00	28.65
ATOM	5204	N CA	SER	1388	_	61.065	24.545	1.00	31.48
ATOM	5205 5206	CB	SER	1388		60.589	24.898	1.00	35.04
ATOM	5206 5207	OG	SER	1388		60.905	23.859	1.00	41.86
ATOM	5207 5208	c	SER	1388		62.578	24.284	1.00	31.07
ATOM ATOM	5209	Ö	SER	1388		63.008	23.142	1.00	31.04
ATOM	5210	N	LEU	1389		63.379	25.336	1.00	30.90
ATOM	5211	CA	LEU	1389		64.835	25.204	1.00	29.63
ATOM	5212	СВ	LEU	1389		65.514	26.574	1.00	27.98
ATOM	5213	CG	LEU	1389		66.067	27.033	1.00	28.79
ATOM	5214	CD1	LEU	1389	76.373	67.062	28.167	1.00	26.81
ATOM	5215	CD2	LEU	1389		66.758	25.889	1.00	28.61
ATOM	5216	C	LEU	1389	78.762	65.450	24.438	1.00	30.59
ATOM	5217	ŏ	LEU	1389	78.662	66.588	23.989	1.00	33.45
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_			LEU	1390	79.866	64.723	24.304	1.00	28.48
ATOM	5218	N	LEU	1390	81.030	65.247	23.601	1.00	26.24
ATOM	5219	CA		1390	82.189	65.398	24.585	1.00	23.55
ATOM	5220	СВ	LEU	1390	81.834	66.123	25.890	1.CO	23.78
ATOM	5221	CG	LEU	1390	82.978	66.032	26.883	1.00	24.77
MOTA	5222	CD1	LEU		81.467	67.578	25.614	1.00	20.41
ATOM	5223	CD2	LEU	1390	81.427	64.325	22.456	1.00	27.34
ATOM	5224	С	LEU	1390	82.375	64.599	21.727	1.00	26.38
ATOM	5225	0	LEU	1390	80.642	63.270	22.265	1.00	29.15
ATOM	5226	N	ALA	1391	80.890	62.267	21.235	1.00	31.26
ATOM	5227	CA	ALA	1391	79.927	61.100	21.404	1.00	31.73
ATOM	5228	СВ	ALA	1391	80.903	62.719	19.777	1.00	32.50
ATOM	5229	C	ALA	1391 1391	81.734	62.250	18.998	1.00	35.88
ATOM	5230	0	ALA	1391	79.975	63.585	19.383	1.00	30.95
ATOM	5231	N	ALA	1392	79.932	64.034	17.990	1.00	28.80
ATOM	5232	CA	ALA	1392	78.504	64.045	17.489	1.00	28.83
ATOM	5233	CB	ALA	1392	80.576	65.393	17.754	1.00	27.78
ATOM	5234	C	ALA	1392	80.169	66.121	16.849	1.00	28.88
ATOM	5235	0	ALA	1392	81.551	65.757	18.579	1.00	26.43
ATOM	5236	N	THR	1393	82.217	67.042	18.418	1.00	23.76
MOTA	5237	CA	THR	1393	82.798	67.557	19.742	1.00	19.29
ATOM	5238	СВ	THR	1393	83.646	66.563	20.316	1.00	20.30
ATOM	5239	OG1	THR	1393	81.684	67.894	20.719	1.00	15.86
ATOM	5240	CG2	THR	1393	83.323	66.910	17.373	1.00	24.72
MOTA	5241	C	THR	1393	83.803	65.807	17.109	1.00	25.78
ATOM	5242	0	THR	1393	83.735	68.032	16.795	1.00	23.33
ATOM	5243	N	THR	1394	84.761	68.036	15.767	1.00	22.70
MOTA	5244	CA	THR	1394	85.078	69.469	15.314	1.00	22.05
ATOM	5245	CB	THR	1394	83.898	70.271	15.392	1.00	23.20
ATOM	5246	OG1	THR	1394	85.552	69.468	13.882	1.00	23.82
ATOM	5247	CG2	THR	1394	86.052	67.361	16.224	1.00	23.54
ATOM	5248	C	THR	1394	86.690	66.643	15.448	1.00	24.72
ATOM	5249	0	THR GLU	1395	86.409	67.566	17.490	1.00	22.73
ATOM	5250	N	GLU	1395	87.634	67.007	18.059	1.00	23.52
ATOM	5251	CA	GLU	1395	88.078	67.819	19.283	1.00	25.10
ATOM	5252	CB	GLU	1395	88.494	69.254	18.995	1.00	27.32
ATOM	5253	CG	GLU	1395	87.322	70.185	18.752	1.00	31.55
ATOM	5254	CD OE1	GLU	1395	86.177	69.833	19.102	1.00	34.70
ATOM	5255	OE2	GLU	1395		71.287	18.216	1.00	35.64
ATOM	5256		GLU	1395	87.560	65.536	18.460	1.00	23.45
ATOM	5257	С 0	GLU	1395	88.578	64.936	18.817	1.00	26.40
ATOM	5258	N	ALA	1396		64.966	18.462	1.00	22.70
ATOM	5259		ALA	1396		63.570	18.842	1.00	23.99
ATOM	5260 5261	CA CB	ALA	1396		63.219	18.969	1.00	23.65
ATOM	5261 5262	C	ALA	1396		62.703	17.779	1.00	25.22
ATOM	5262 5263	Ö	ALA	1396		63.081	16.611	1.00	26.43
ATOM		N	PRO	1397		61.570	18.184	1.00	25.84
MOTA	5264 5265	CD	PRO	1397		61.103	19.555	1.00	26.36
MOTA	5266	CA	PRO	1397		60.685	17.218	1.00	26.48
ATOM	5267	CB	PRO	1397		59.565	18.102	1.00	21.83
ATOM	5268	CG	PRO	1397		60.251	19.370	1.00	22.65
MOTA	5269	C	PRO	1397		60.149	16.261	1.00	31.18
ATOM	5270	Ö	PRO	1397		59.901	16.667	1.00	31.61
ATOM ATOM	5270 5271	N	GLY	1398		60.013	14.988	1.00	34.68
	5271	CA	GLY	1398		59.487 [^]	14.023	1.00	38.08
MOTA	5272	C	GLY	1398		60.474	12.931	1.00	41.29
ATOM	5273	Ö	GLY	1398		61.635	12.975	1.00	43.61
ATOM	5274	N	GLU	1399		60.001	11.922	1.00	42.43
ATOM	3213	14	525	, 55,	··-				

			0111	1399	85.060	60.853	10.811	1.00	44.81
ATOM	5276	CA	GLU		85.423	60.179	9.485	1.00	50.25
ATOM	5277	CB	GLU	1399		59.863	9.328	1.00	57.39
ATOM	5278	CG	GLU	1399	86.908		9.490	1.00	63.38
ATOM	5279	CD	GLU	1399	87.787	61.093	8.710	1.00	64.91
ATOM	5280	OE1	GLU	1399	87.617	62.057		1.00	66.89
ATOM	5281	OE2	GLU	1399	88.642	61.097	10.405		44.39
ATOM	5282	С	GLU	1399	83.564	61.103	10.876	1.00	
	5283	ŏ	GLU	1399	82.861	60.497	11.696	1.00	45.82
ATOM	5284	N	TYR	1400	83.081	62.012	10.038	1.00	42.99
ATOM		CA	TYR	1400	81.658	62.318	9.993	1.00	42.22
ATOM	5285		TYR	1400	81.424	63.815	9.838	1.00	38.80
ATOM	5286	СВ		1400	81.485	64.579	11.134	1.00	38.42
ATOM	5287	CG	TYR	1400	80.406	64.577	12.019	1.00	34.56
ATOM	5288	CD1	TYR		80.451	65.302	13.202	1.00	34.48
ATOM	5289	CE1	TYR	1400		65.326	11.467	1.00	39.18
MOTA	5290	CD2	TYR	1400	82.611		12.643	1.00	37.95
ATOM	5291	CE2	TYR	1400	82.667	66.057	13.507	1.00	37.33
ATOM	5292	ÇZ	TYR	1400	81.584	66.046		1.00	35.83
ATOM	5293	ОН	TYR	1400	81.637	66.803	14.656	1.00	43.85
ATOM	5294	С	TYR	1400	81.010	61.592	8.828		
ATOM	5295	ō	TYR	1400	81.693	61.121	7.915	1.00	46.67
	5296	Ň	PHE	1401	79.691	61.485	8.874	1.00	42.83
ATOM		CA	PHE	1401	78.946	60.838	7.815	1.00	43.05
ATOM	5297	CB	PHE	1401	79.094	59.311	7.881	1.00	45.25
ATOM	5298		PHE	1401	78.640	58.695	9.177	1.00	45.71
MOTA	5299	CG		1401	77.292	58.411	9.395	1.00	47.44
MOTA	5300	CD1	PHE		79.562	58.361	10.162	1.00	44.15
ATOM	5301	CD2	PHE	1401		57.804	10.573	1.00	47.10
ATOM	5302	CE1	PHE	1401	76.873	57.754	11.345	1.00	44.90
ATOM	5303	CE2	PHE	1401	79.155		11.551	1.00	47.14
MOTA	5304	CZ	PHE	1401	77.809	57.475		1.00	43.47
ATOM	5305	С	PHE	1401	77.496	61.250	7.920	1.00	42.96
ATOM	5306	0	PHE	1401	77.089	61.848	8.907	1.00	43.97
ATOM	5307	N .	PHE	1402	76.719	60.952	6.891		
ATOM	5308	CA	PHE	1402	75.322	61.318	6.899	1.00	44.22
ATOM	5309	СВ	PHE	1402	75.016	62.274	5.745	1.00	42.02
ATOM	5310	ĊĠ	PHE	1402	75.651	63.622	5.890	1.00	38.81
	5311	CD1	PHE	1402		63.797	5.644	1.00	39.76
ATOM	5312	CD2	PHE	1402		64.716	6.296	1.00	35.67
ATOM		CE1	PHE	1402		65.049	5.806	1.00	38.11
ATOM	5313		PHE	1402		65.969	6.460	1.00	35.15
ATOM	5314	CE2		1402		66.136	6.216	1.00	36.13
MOTA	5315	CZ	PHE			60.097	6.739	1.00	46.31
ATOM	5316	С	PHE	1402		59.177	6.035	1.00	46.36
ATOM	5317	0	PHE	1402			7.583	1.00	48.81
ATOM	5318	N	SER	1403		60.072	7.540	1.00	52.64
ATOM	5319	CA	SER	1403		58.986		1.00	54.92
ATOM	5320	CB	SER	1403		58.429	8.936		59.46
ATOM	5321	OG	SER	1403		57.885	9.455	1.00	
ATOM	5322	C	SER	1403	71.170	59.648	6.997	1.00	55.38 56.54
ATOM	5323	Ó	SER	1403	70.155	59.769	7.684	1.00	56.51
ATOM	5324	Ň	ASP	1404	71.302	60.146	5.769	1.00	57.77
	5325	CA	ASP	1404		60.843	5.048	1.00	58.06
ATOM		CB	ASP	1404		59.958	4.873	1.00	61.87
ATOM	5326		ASP	1404		60.501	3.819	1.00	67.61
MOTA	5327	CG CD1		140-		60.956	2.751	1.00	65.71
ATOM	5328	OD1	ASP			60.469	4.060	1.00	72.76
ATOM	5329	OD2	ASP	140		62.150	5.735	1.00	56.48
ATOM	5330	C	ASP	140			6.497	1.00	55.20
ATOM	5331	0	ASP	140	_	62.228	5.470	1.00	55.34
ATOM	5332	N	GLY	140		63.171		1.00	54.46
ATOM	5333	CA	GLY	140	5 70.449	64.477	6.054	1.00	J7.70

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ATOM	5334	С	GLY	1405	71.232	64.720	7.327	1.00	53.22
		Ö	GLY	1405	71.901	65.747	7.461	1.00	54.73
ATOM	5335				71.161	63.779	8.262	1.00	51.10
ATOM	5336	N	ILE	1406			9.528	1.00	47.34
ATOM	5337	CA	ILE	1406	71.872	63.919			47.55
ATOM	5338	СВ	ILE	1406	71.181	63.149	10.693	1.00	
	5339	CG2	ILE	1406	70.137	64.040	11.359	1.00	46.87
ATOM			ILE	1406	70.582	61.817	10.214	1.00	47.02
ATOM	5340	CG1				61.912	9.660	1.00	43.14
ATOM	5341	CD1	ILE	1406	69.158			1.00	44.59
ATOM	5342	С	ILE	1406	73.356	63.562	9.465		
ATOM	5343	0	ILE	1406	73.738	62.474	9.026	1.00	43.27
	5344	N	ARG	1407	74.179	64.521	9.878	1.00	42.11
ATOM			ARG	1407	75.628	64.377	9.910	1.00	40.01
ATOM	5345	CA			76.280	65.759	9.797	1.00	38.99
ATOM	5346	СВ	ARG	1407			9.540	1.00	34.88
ATON:	5347	CG	ARG	1407	77.774	65.750			33.23
ATOM	5348	CD	ARG	1407	78.321	67.167	9.600	1.00	
ATOM	5349	NE	ARG	1407	79.698	67.250	9.123	1.00	34.81
		CZ	ARG	1407	80.671	67.912	9.745	1.00	33.80
ATOM	5350				80.430	68.551	10.883	1.00	35.60
ATOM	5351	NH1	ARG	1407		67.972	9.207	1.00	31.88
ATOM	5352	NH2	ARG	1407	81.881			1.00	39.81
ATOM	5353	С	ARG	1407	75.957	63.749	11.259		
ATOM	5354	0	ARG	1407	75.848	64.399	12.299	1.00	40.00
	5355	Ň	LEU	1408	76.299	62.469	11.240	1.00	39.11
ATOM				1408	76.610	61.734	12.451	1.00	38.94
ATOM	5356	CA	LEU			60.464	12.489	1.00	35.80
ATOM	5357	СВ	LEU	1408	75.765			1.00	33.00
ATOM	5358	CG	LEU	1408	74.271	60.639	12.265		
ATOM	5359	CD1	LEU	1408	73.658	59.302	12.000	1.00	35.13
ATOM	5360	CD2	LEU	1408	73.637	61.293	13.466	1.00	33.45
		C	LEU	1408	78.077	61.349	12.582	1.00	39.97
ATOM	5361			1408	78.846	61.421	11.621	1.00	41.20
ATOM	5362	0	LEU				13.784	1.00	39.40
ATOM	5363	N	LYS	1409	78.444	60.922		1.00	37.55
ATOM	5364	CA	LYS	1409	79.793	60.475	14.088		
ATOM	5365	CB	LYS	1409	80.574	61.559	14.812	1.00	34.49
ATOM	5366	CG	LYS	1409	82.070	61.410	14.684	1.00	31.73
	5367	CD	LYS	1409	82.748	62.681	15.122	1.00	31.14
ATOM			LYS	1409	84.117	62.821	14.504	1.00	30.59
ATOM	5368	CE				64.118	14.889	1.00	30.87
ATOM	5369	NZ	LYS	1409	84.738			1.00	38.36
ATOM	5370	С	LYS	1409	79.616	59.261	14.990		
ATOM	5371	0	LYS	1409	78.648	59.181	15.760	1.00	38.95
ATOM	5372	N	LYS	1410	80.538	58.314	14.878	1.00	37.52
	5373	CA	LYS	1410	80.481	57.083	15.654	1.00	37.57
ATOM			LYS	1410	81.473	56.045	15.106	1.00	39.72
ATOM	5374	CB				55.848	13.586	1.00	47.39
ATOM	5375	ÇG	LYS	1410	81.424			1.00	54.46
ATOM	5376	CD	LYS	1410	82.257	56.898	12.828		
ATOM	5377	CE	LYS	1410	83.704	56.437	12.552	1.00	57.97
ATOM	5378	NZ	LYS	1410	84.528	56.135	13.772	1.00	58.51
	5379	C	LYS	1410	80.737	57.292	17.144	1.00	36.58
ATOM			LYS	1410	81.503	58.169	17.548	1.00	36.90
ATOM	5380	0				56.504	17.956	1.00	33.81
MOTA	5381	N	TYR	1411	80.045				29.59
ATOM	5382	CA	TYR	1411	80.196	56.538	19.398	1.00	
ATOM	5383	CB	TYR	1411	79.308	57.606	20.036	1.00	28.89
ATOM	5384	CG	TYR	1411	79.468	57.638	21.536	1.00	29.67
	5385	CD1	TYR	1411	80.735	57.684	22.113	1.00	27.56
ATOM						57.654	23.484	1.00	32.21
ATOM	5386	CE1	TYR	1411	80.900		22.380	1.00	32.44
ATOM	5387	CD2	TYR	1411	78.363	57.575			
ATOM	5388	CE2	TYR	1411		57.547	23.767	1.00	35.34
ATOM	5389	CZ	TYR	1411	79.792	57.588	24.313	1.00	35.21
ATOM	5390	ОH	TYR	1411		57.562	25.683	1.00	32.62
	5391	c c	TYR	1411		55.156	19.890	1.00	28.28
ATOM	2381	J	1111	1-711					

		_	T) (D	1411	78.666	54.717	19.658	1.00	29.51
ATOM	5392	0	TYR			54.482	20.583	1.00	25.07
ATOM	5393	N	ARG	1412	80.705		21.067	1.00	22.53
ATOM	5394	CA	ARG	1412	80.442	53.131		1.00	22.14
ATOM	5395	СВ	ARG	1412	81.072	52.122	20.104		
ATOM	5396	CG	ARG	1412	82.573	52.254	20.020	1.00	22.85
ATOM	5397	CD	ARG	1412	83.202	51.252	19.099	1.00	21.78
ATOM	5398	NE	ARG	1412	84.655	51.364	19.163	1.00	24.40
	5399	CZ	ARG	1412	85.496	50.726	18.355	1.00	28.25
ATOM			ARG	1412	85.037	49.921	17.410	1.00	29.33
ATOM	5400	NH1		1412	86.803	50.887	18.501	1.00	31.56
ATOM	5401	NH2	ARG		80.980	52.865	22.469	1.00	20.00
ATOM	5402	С	ARG	1412			22.881	1.00	19.85
ATOM	5403	0	ARG	1412	81.990	53.437		1.00	18.06
ATOM	5404	N	GLY	1413	80.316	51.966	23.183		
ATOM	5405	CA	GLY	1413	80.765	51.618	24.512	1.00	18.17
ATOM	5406	С	GLY	1413	82.049	50.841	24.373	1.00	19.69
ATOM	5407	Ö	GLY	1413	82.237	50.126	23.384	1.00	19.71
	5408	N	MET	1414	82.944	50.988	25.342	1.00	20.34
ATOM		CA	MET	1414	84.221	50.282	25.309	1.00	22.12
ATOM	5409			1414	85.180	50.857	26.356	1.00	22.03
ATOM	5410	СВ	MET		85.671	52.265	26.041	1.00	23.32
ATOM	5411	CG	MET	1414			24.466	1.00	26.75
ATOM	5412	SD	MET	1414	86.555	52.417		1.00	28.28
ATOM	5413	CE	MET	1414	85.214	52.711	23.391		22.54
ATOM	5414	С	MET	1414	84.040	48.781	25.504	1.00	
ATOM	5415	0	MET	1414	84.896	47.981	25.112	1.00	23.42
ATOM	5416	N	GLY	1415	82.907	48.405	26.086	1.00	22.77
ATOM	5417	CA	GLY	1415	82.626	47.006	26.313	1.00	22.65
	5418	c C	GLY	1415	81.802	46.428	25.190	1.00	23.70
ATOM		ŏ	GLY	1415	81.146	45.412	25.378	1.00	24.44
ATOM	5419			1416	81.783	47.091	24.039	1.00	25.46
ATOM	5420	N	SER			46.578	22.911	1.00	28.36
ATOM	5421	CA	SER	1416	81.025		21.945	1.00	26.46
ATOM	5422	СВ	SER	1416	80.623	47.703		1.00	25.07
ATOM	5423	OG	SER	1416	81.743	48.329	21.341		
ATOM	5424	С	SER	1416	81.858	45.522	22.194	1.00	32.07
ATOM	5425	0	SER	1416	83.089	45.526	22.278	1.00	32.48
ATOM	5426	N	LEU	1417	81.175	44.625	21.490	1.00	35.05
ATOM	5427	CA	LEU	1417	81.815	43.551	20.746	1.00	37.86
ATOM	5428	СВ	LEU	1417	80.744	42.758	19.989	1.00	37.24
	5429	CG	LEU	1417	80.467	41.322	20.443	1.00	36.80
ATOM		CD1	LEU	1417	81.602	40.422	19.990	1.00	41.48
ATOM	5430		LEU	1417	80.305	41.258	21.948	1.00	32.76
ATOM	5431	CD2				44.029	19.777	1.00	41.62
ATOM	5432	C	LEU	1417	82.909			1.00	42.91
ATOM	5433	0	LEU	1417	83.996	43.447	19.726		43.98
ATOM	5434	N	ASP	1418	82.625	45.096	19.029	1.00	
ATOM	5435	CA	ASP	1418	83.582	45.628	18.056	1.00	44.77
ATOM	5436	CB	ASP	1418	82.852	46.360	16.916	1.00	45.89
ATOM	5437	CG	ASP	1418	82.267	47.696	17.345	1.00	49.84
ATOM	5438	OD1	ASP	1418	81.466	47.728	18.304	1.00	54.75
ATOM	5439	OD2	ASP	1418	82.600	48.718	16.706	1.00	49.55
	5440	C	ASP	1418	84.658	46.521	18.672	1.00	44.00
ATOM				1418	85.700	46.754	18.067	1.00	45.96
ATOM	5441	0	ASP		84.383	47.068	19.848	1.00	42.92
ATOM	5442	N	ALA	1419				1.00	41.90
ATOM	5443	CA	ALA	1419	85.363	47.908	20.511	1.00	39.79
ATOM	5444	CB	ALA	1419	84.712	48.728	21.612		
ATOM	5445	С	ALA	1419	86.398	46.970	21.100	1.00	42.91
ATOM	5446	0	ALA	1419	87.598	47.217	20.994	1.00	43.77
ATOM	5447	N	MET	1420	85.919	45.878	21.692	1.00	44.17
ATOM	5448	CA	MET	1420		44.882	22.324	1.00	46.58
ATOM	5449	СВ	MET	1420		43.956	23.228	1.00	44.85
A I OIVI	J773								

								4.00	40.50
ATOM	5450	CG	MET	1420	85.222	44.663	24.359	1.00	40.59
ATOM	5451	SD	MET	1420	84.557	43.506	25.583	1.00	37.46
		CE	MET	1420	83.211	42.736	24.659	1.00	35.09
ATOM	5452						21.340	1.00	48.15
ATOM	5453	С	MET	1420	87.615	44.049			
ATOM	5454	0	MET	1420	87.079	43.674	20.273	1.00	49.93
ATOM	5455	СВ	ILE	1437	81.342	33.951	22.925	1.00	66.55
				1437	81.311	33.579	21.441	1.00	68.42
ATOM	5456	CG2	ILE					1.00	66.87
ATOM	5457	CG1	ILE	1437	80.618	32.891	23.774		
ATOM	5458	CD1	ILE	1437	80.344	33.296	25.209	1.00	65.86
ATOM	5459	C .	ILE	1437	82.900	35.253	24.433	1.00	60.65
			ILE	1437	83.257	34.991	25.582	1.00	60.18
ATOM	5460	0					23.943	1.00	64.00
ATOM	5461	N	ILE	1437	83.398	32.887			
ATOM	5462	CA	ILE	1437	82.815	34.144	23.394	1.00	63.11
ATOM	5463	N	LYS	1438	82.590	36.480	24.022	1.00	58.06
	5464	CA	LYS	1438	82.649	37.632	24.916	1.00	54.30
ATOM						38.752	24.283	1.00	57.05
ATOM	5465	CB	LYS	1438	83.479				
ATOM	5466	CG	LYS	1438	84.954	3ō.440	24.118	1.00	61.76
ATOM	5467	CD	LYS	1438	85.719	39.680	23.684	1.00	66.01
	5468	CE	LYS	1438	87.222	39.446	23.713	1.00	70.05
ATOM				1438	87.994	40.707	23.490	1.00	72.96
ATOM	5469	NZ	LYS						50.75
ATOM	5470	С	LYS	1438	81.264	38.170	25.269	1.00	
ATOM	5471	O	LYS	1438	80.359	38.186	24.437	1.00	51.21
ATOM	5472	N	VAL	1439	81.109	38.618	26.508	1.00	47.03
			VAL	1439	79.841	39.171	26.969	1.00	42.02
ATOM	5473	CA				38.776	28.441	1.00	39.60
ATOM	5474	СВ	VAL	1439	79.561				
ATOM	5475	CG1	VAL	1439	78.227	39.331	28.893	1.00	37.77
ATOM	5476	CG2	VAL	1439	79.573	37.261	28.589	1.00	37.89
ATOM	5477	С	VAL	1439	79.903	40.694	26.830	1.00	39.68
		ŏ	VAL	1439	80.562	41.372	27.623	1.00	39.64
ATOM	5478						25.782	1.00	36.52
ATOM	5479	N	ALA	1440	79.266	41.214			
ATOM	5480	CA	ALA	1440	79.244	42.651	25.514	1.00	33.16
ATOM	5481	CB	ALA	1440	78.640	42.931	24.151	1.00	33.07
ATOM	5482	C	ALA	1440	78.487	43.425	26.578	1.00	31.48
			ALA	1440	77.377	43.055	26.964	1.00	31.26
ATOM	5483	0						1.00	30.45
ATOM	5484	N	GLN	1441	79.092	44.517	27.031		
ATOM	5485	CA	GLN	1441	78.497	45.369	28.049	1.00	27.44
ATOM	5486	СВ	GLN	1441	79.453	45.525	29.225	1.00	23.78
ATOM	5487	CG	GLN	1441	79.765	44.207	29.902	1.00	22.17
				1441	80.382	44.395	31.258	1.00	23.37
ATOM	5488	CD	GLN					1.00	22.22
ATOM	5489	OE1	GLN	1441	79.840	45.109	32.100		
ATOM	5490	NE2	GLN	1441	81.515	43.750	31.489	1.00	25.42
ATOM	5491	С	GLN	1441	78.086	46.733	27.501	1.00	28.00
ATOM	5492	Ö	GLN	1441	77.548	47.565	28.230	1.00	28.70
						46.929	26.200	1.00	28.38
ATOM	5493	N	GLY	1442	78.273				
ATOM	5494	CA	GLY	1442	77.905	48.184	25.576	1.00	27.33
ATOM	5495	С	GLY	1442	77.463	47.982	24.138	1.00	27.30
ATOM	5496	0	GLY	1442	77.656	46.902	23.564	1.00	27.61
				1443	76.833	49.005	23.572	1.00	26.10
ATOM	5497	N	VAL						
ATOM	5498	CA	VAL	1443	76.376	48.970	22.187	1.00	23.86
ATOM	5499	CB	VAL	1443	74.867	49.329	22.057	1.00	21.54
ATOM	5500	CG1	VAL	1443	74.027	48.384	22.884	1.00	16.72
ATOM	5501	CG2	VAL	1443	74.618	50.775	22.470	1.00	21.56
							21.406	1.00	23.54
ATOM	5502	C	VAL	1443	77.202	49.988			
ATOM	5503	0	VAL	1443	77.823	50.877	21.995	1.00	23.22
ATOM	5504	N	SER	1444	77.234	49.841	20.088	1.00	24.09
ATOM	5505	CA	SER	1444	77.980	50.765	19.248	1.00	23.73
ATOM	5506	СВ	SER	1444	78.953	49.995	18.359	1.00	24.52
						50.872	17.774	1.00	30.92
ATCM	5507	OG	SER	1444	79.897	30.072	11.11**	1.00	JU.JZ

ATOM	5508	С	SER	1444	76.972	51.502	18.392	1.00	24.25
ATOM	5509	Ö	SER	1444	76.180	50.874	17.689	1.00	25.44
ATOM	5510	N	GLY	1445	76.973	52.825	18.454	1.00	24.61
ATOM	5511	CA	GLY	1445	76.017	53.576	17.662	1.00	26.65
ATOM	5512	C	GLY	1445	76.569	54.849	17.063	1.00	28.09
ATOM	5512	Ö	GLY	1445	77.767	54.951	16.794	1.00	29.89
ATOM	5514	N	ALA	1446	75.695	55.822	16.841	1.00	27.70
ATOM	5515	CA	ALA	1446	76.112	57.090	16.272	1.00	28.08
ATOM	5516	СВ	ALA	1446	75.848	57.105	14.782	1.00	25.75
ATOM	5517	C	ALA	1446	75.364	58.220	16.947	1.00	29.63
ATOM ATOM	5518	ŏ	ALA	1446	74.307	58.004	17.543	1.00	29.07
ATOM	5519	Ň	VAL	1447	75.935	59.416	16.879	1.00	31.82
ATOM	5520	CA	VAL	1447	75.325	60.612	17.454	1.00	35.50
ATOM	5521	СВ	VAL	1447	75.954	60.996	18.819	1.00	38.59
ATOM	5522	CG1	VAL	1447	75.443	60.074	19.917	1.00	41.19
ATOM	5523	CG2	VAL	1447	77.464	60.914	18.744	1.00	41.83
ATOM	5524	C	VAL	1447	75.471	61.767	16.460	1.00	36.50
ATOM	5525	Ö	VAL	1447	76.389	61.781	15.633	1.00	36.46
ATOM	5526	Ñ	GLN	1448	74.543	62.715	16.527	1.00	37.04
ATOM	5527	CA	GLN	1448	74.538	63.863	15.632	1.00	37.13
ATOM	5528	СВ	GLN	1448	73.145	64.492	15.624	1.00	40.18
ATOM	5529	CG	GLN	1448	72.945	65.593	14.589	1.00	42.82
ATOM	5530	CD	GLN	1448	71.498	66.047	14.492	1.00	42.85
ATOM	5531	OE1	GLN	1448	70.612	65.492	15.146	1.00	41.67
ATOM	5532	NE2	GLN	1448	71.251	67.054	13.666	1.00	43.75
ATOM	5533	С	GLN	1448	75.603	64.919	15.941	1.00	36.41
ATOM	5534	0	GLN	1448	75.812	65.298	17.096	1.00	37.30
ATOM	5535	N	ASP	1449	76.263	65.383	14.885	1.00	35.19
ATOM	5536	CA	ASP	1449	77.311	66.399	14.941	1.00	34.49
ATOM	5537	CB	ASP	1449	77.536	66.948	13.524	1.00	33.54
ATOM	5538	CG	ASP	1449	78.452	68.160	13.483	1.00	34.61
ATOM	5539	OD1	ASP	1449	79.444	68.210	14.242	1.00	34.88
ATOM	5540	OD2	ASP	1449	78.183	69.063	12.663	1.00	35.64
ATOM	5541	С	ASP	1449	76.961	67.537	15.896	1.00	33.86
ATOM	5542	0	ASP	1449	76.038	68.301	15.642	1.00 1.00	35.06 33.79
, ATOM	5543	N	LYS	1450	77.714	67.647	16.986	1.00	34.79
ATOM	5544	CA	LYS	1450	77.487	68.696	17.977 19.393	1.00	38.05
ATOM	5545	CB	LYS	1450	77.726	68.163	19.393	1.00	47.10
ATOM	5546	CG	LYS	1450	76.750	67.084	21.200	1.00	52.04
ATOM	5547	CD	LYS	1450	77.088	66.552	21.602	1.00	57.04
ATOM	5548	CE	LYS	1450	76.150	65.422 64.232	20.705	1.00	59.52
ATOM	5549	NZ	LYS	1450	76.264 78.356	69.931	17.754	1.00	33.28
ATOM	5550	·C	LYS	1450	78.324	70.864	18.555	1.00	34.18
ATOM	5551	0	LYS	1450	70.32 4 79.148	69.934	16.687	1.00	32.00
ATOM	5552	N	GLY	1451	80.005	71.074	16.413	1.00	29.42
ATOM	5553	CA	GLY	1451	81.354	70.937	17.086	1.00	28.07
ATOM	5554	C	GLY	1451	81.808	69.818	17.335	1.00	26.57
ATOM	5555	0	GLY	1451		72.066	17.426	1.00	27.12
ATOM	5556	N	SER	1452 1452		72.062	18.058	1.00	26.69
ATOM	5557	CA	SER			73.084	17.364	1.00	30.79
ATOM	5558	CB	SER	1452 1452		73.004	18.000	1.00	30.53
ATOM	5559	og	SER SER	1452		73.213	19.560	1.00	25.17
ATOM	5560 5561	C	SER	1452		73.154	20.057	1.00	25.27
ATOM	5561	0	ILE	1452		71.615	20.259	1.00	23.64
MOTA	5562 5563	N CA	ILE	1453		71.724	21.712	1.00	21.74
ATOM	5563 5564	CB	ILE	1453		70.911	22.193	1.00	18.90
MOTA		CG2	ILE	1453		71.414	23.541	1.00	15.69
ATOM	5565	CGZ	166	1700	55.00 -7				

						00.400	22.276	1.00	18.69
ATOM	5566	CG1	ILE		.247	69.420	22.276		16.28
ATOM	5567	CD1	ILE	1453 84	.246	69.068	23.344	1.00	
	5568	C	ILE	1453 84	.571	73.172	22.119	1.00	23.00
ATOM			ILE	-	.144	73.598	23.192	1.00	23.69
ATOM	5569	0			.195	73.931	21.228	1.00	25.62
ATOM	5570	N	HIS			75.331	21.472	1.00	26.80
ATOM	5571	CA	HIS		5.494			1.00	26.77
ATOM	5572	CB	HIS		5.497	75.828	20.437		29.51
ATOM	5573	CG	HIS		7.850	75.202	20.581	1.00	
ATOM	5574	CD2	HIS	1454 88	3.430	74.172	19.927	1.00	28.95
ATOM	5575	ND1	HIS	1454 88	3.757	75.608	21.538	1.00	33.65
	5576	CE1	HIS		9.836	74.848	21.470	1.00	33.07
ATOM		NE2	HIS		9.663	73.971	20.498	1.00	31.26
ATOM	5577				1.281	76.251	21.580	1.00	27.40
ATOM	5578	С	HIS		1.418	77.414	21.963	1.00	25.97
ATOM	5579	0	HIS				21.259	1.00	27.47
ATOM	5580	N	LYS		3.103	75.725	21.259	1.00	30.12
ATOM	5581	CA	LYS		.864	76.488			35.92
MOTA	5582	CB	LYS		.153	76.575	20.012	1.00	
ATOM	5583	CG	LYS	1455 81	.922	77.286	18.917	1.00	45.61
ATOM	5584	CD	LYS	1455 81	.370	76.898	17.543	1.00	57.31
	5585	CE	LYS		1.386	75.368	17.347	1.00	61.81
ATOM		NZ	LYS).920	74.895	16.006	1.00	60.26
ATOM	5586				0.950	75.771	22.344	1.00	28.06
ATOM	5587	C	LYS).318	76.399	23.195	1.00	30.49
ATOM	5588	0	LYS				22.242	1.00	24.81
ATOM	5589	N	PHE		0.915	74.446		1.00	20.59
ATOM	5590	CA	PHE		0.071	73.625	23.096		21.85
ATOM	5591	CB	PHE		0.105	72.165	22.636	1.00	
ATOM	5592	CG	PHE	1456 79	9.036	71.314	23.258	1.00	23.75
ATOM	5593	CD1	PHE	1456 77	7.723	71.383	22.797	1.00	20.86
ATOM	5594	CD2	PHE		9.328	70.479	24.335	1.00	2? 64
	5595	CE1	PHE		5.714	70.636	23.404	1.00	21.49
ATOM			PHE		3.325	69.729	24.945	1.00	22.84
ATOM	5596	CE2			7.015	69.810	24.480	1.00	20.55
ATOM	5597	CZ	PHE			73.729	24.579	1.00	17.53
ATOM	5598	С	PHE		0.411		25.403	1.00	15.84
ATOM	5599	0	PHE		9.529	73.929		1.00	17.91
ATOM	5600	N	VAL		1.682	73.586	24.928		
ATOM	5601	CA	VAL		2.073	73.685	26.329	1.00	19.08
ATOM	5602	CB	VAL		3.571	73.399	26.536	1.00	15.14
ATOM	5603	CG1	VAL	1457 83	3.994	73.760	27.953	1.00	13.44
ATOM	5604	CG2	VAL	1457 83	3.833	71.932	26.304	1.00	16.34
ATOM	5605	C	VAL		1.681	75.051	26.904	1.00	22.53
	5606	ŏ	VAL		1.080	75.131	27.983	1.00	22.20
ATOM					2.013	76.145	26.191	1.00	24.20
ATOM	5607	N	PRO		2.911	76.261	25.027	1.00	24.44
ATOM	5608	CD	PRO				26.695	1.00	25.28
ATOM	5609	CA	PRO		1.651	77.475		1.00	27.34
ATOM	5610	CB	PRO		2.122	78.392	25.573		
ATOM	5611	CG	PRO		3.363	77.702	25.107	1.00	25.79
ATOM	5612	С	PRO		0.147	77.576	26.939	1.00	24.20
ATOM	5613	0	PRO	1458 7	9.693	78.307	27.823	1.00	25.91
ATOM	5614	Ň	TYR		9.373	76.849	26.147	1.00	22.70
ATOM	5615	CA	TYR		7.934	76.832	26.337	1.00	22.83
		CB	TYR		7.255	76.104	25.177	1.00	21.77
ATOM	5616				5.901	75.539	25.531	1.00	26.38
ATOM	5617	CG	TYR			76.374	25.869	1.00	29.53
ATOM	5618	CD1	TYR		4.833		26.230	1.00	30.45
ATOM	5619	CE1	TYR		3.595	75.845		1.00	28.56
ATOM	5620	CD2	TYR		5.693	74.160	25.559		
ATOM	5621	CE2	TYR		4.462	73.619	25.917	1.00	26.79
ATOM	5622	CZ	TYR	1459 7	3.419	74.463	26.250	1.00	28.78
ATOM	5623	ОН	TYR	1459 7	2.209	73.912	26.604	1.00	26.01
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	5004	С	TYR	1459	77.635	76.123	27.66 9	1.00	22.79
ATOM	5624		TYR	1459	76.879	76.634	28.497	1.00	22.57
ATOM	5625	0	LEU	1460	78.261	74.966	27.883	1.00	22.45
ATOM	5626	N	LEU	1460	78.062	74.188	29.105	1.00	20.94
ATOM	5627	CA	LEU	1460	78.909	72.908	29.091	1.00	18.74
ATOM	5628	CB		1460	78.564	71.821	28.062	1.00	15.82
MOTA	5629	CG	LEU		79.566	70.675	28.136	1.00	11.15
ATOM	5630	CD1	LEU	1460		70.373	28.295	1.00	12.28
ATOM	5631	CD2	LEU	1460	77.157		30.341	1.00	20.69
ATOM	5632	С	LEU	1460	78.376	75.016	31.309	1.00	22.07
ATOM	5633	0	LEU	1460	77.619	75.015	30.301	1.00	21.57
ATOM	5634	N	ILE	1461	79.486	75.737	31.423	1.00	22.27
ATOM	5635	CA	ILE	1461	79.880	76.583	31.423	1.00	18.97
ATOM	5636	CB	ILE	1461	81.223	77.296	32.239	1.00	19.35
ATOM	5637	CG2	ILE	1461	81.550	78.264		1.00	15.84
ATOM	5638	CG1	ILE	1461	82.346	76.269	30.990	1.00	15.19
ATOM	5639	CD1	ILE	1461	83.661	76.851	30.523	1.00	22.73
ATOM	5640	С	ILE	1461	78.785	77.623	31.683		24.12
ATOM	5641	0	ILE	1461	78.374	77.849	32.823	1.00	22.40
ATOM	5642	N	ALA	1462	78.286	78.233	30.618	1.00	
ATOM	5643	CA	ALA	1462	77.240	79.227	30.767	1.00	23.17
ATOM	5644	CB	ALA	1462	76.969	79.901	29.446	1.00	24.38
ATOM	5645	С	ALA	1462	75.969	78.596	31.316	1.00	22.99
ATOM	5646	0	ALA	1462	75.247	79.227	32.085	1.00	23.60
ATOM	5647	N	GLY	1463	75.712	77.347	30.939	1.00	22.00
ATOM	5648	CA	GLY	1463	74.524	76.655	31.404	1.00	20.76
ATOM	5649	С	GLY	1463	74.563	76.411	32.893	1.00	21.18
ATOM	5650	0	GLY	1463	73.586	76.670	33.595	1.00	22.33
ATOM	5651	N	ILE	1464	75.707	75.935	33.376	1.00	21.45
ATOM	5652	CA	ILE	1464	75.907	75.650	34.795	1.00	21.45
ATOM	5653	CB	ILE	1464	77.279	74.972	35.048	1.00	17.77
ATOM	5654	CG2	ILE	1464	77.472	74.652	36.525	1.00	16.84
ATOM	5655	CG1	ILE	1464	77.375	73.672	34.263	1.00	12.39
ATOM	5656	CD1	ILE	1464	78.696	72.995	34.442	1.00	21.13
ATOM	5657	С	ILE	1464	75.819	76.933	35.621	1.00	24.69
ATOM	5658	0	ILE	1464	75.201	76.948	36.693	1.00	27.98
ATOM	5659	Ν	GLN	1465	76.420	78.010	35.115	1.00	23.43
ATOM	5660	CA	GLN	1465	76.396	79.291	35.810	1.00	20.44
ATOM	5661	CB	GLN	1465	77.198	80.333	35.046	1.00	20.47
ATOM	5662	CG	GLN	1465	78.672	80.037	34.997	1.00	21.90
ATOM	5663	CD	GLN	1465	79.479	81.241	34.585	1.00	23.86
ATOM	5664	OE1	GLN	1465	80.564	81.483	35.108	1.00	24.24
ATOM	5665	NE2	GLN	1465	78.944	82.019	33.655	1.00	25.91 19.83
ATOM	5666	С	GLN	1465	74.977	79.790	36.029	1.00	
ATOM	5667	0	GLN	1465	74.672	80.390	37.060	1.00	20.11
ATOM	5668	N	HIS	1466	74.106	79.557	35.058	1.00	20.26 22.99
ATOM	5669	CA	HIS	1466	72.725	79.977	35.208	1.00	24.47
ATOM	5670	CB	HIS	1466	71.998	79.979	33.873	1.00	30.20
ATOM	5671	CG	HIS	1466	72.288	81.191	33.047	1.00	
ATOM	5672	CD2	HIS	1466	71.599	82.347	32.892	1.00	33.03 31.81
MOTA	5673	ND1	HIS	1466	73.426	81.319	32.283	1.00	
ATOM	5674	CE1	HIS	1466	73.429	82.501	31.692	1.00	34.48
ATOM	5675	NE2	HIS	1466	72.331	83.145	32.047	1.00	35.24 24.73
ATOM	5676	С	HIS	1466	71.998	79.108	36.229	1.00	
ATOM	5677	0	HIS	1466	71.124	79.608	36.940	1.00	27.97 22.87
ATOM	5678	N	SER	1467	72.363	77.826	36.328	1.00	22.07
ATOM	5679	CA	SER	1467	71.734	76.941	37.307 37.473	1.00	19.47
ATOM	5680	СВ	SER	1467	72.240	75.510 74.041	37.173	1.00 1.00	25.92
ATOM	5681	OG	SER	1467	71.817	74.941	35.958	1.00	23.32

		_		4 407	72.070	77.443	38.694	1.00	22.35
ATOM	5682	С	SER	1467	72.070	77.701	39.502	1.00	26.52
ATOM	5683	0	SER	1467	71.182			1.00	21.86
ATOM	5684	N	CYS	1468	73.361	77.616	38.950		
ATOM	5685	CA	CYS	1468	73.833	78.089	40.241	1.00	21.15
ATOM	5686	CB	CYS	1468	75.349	78.280	40.219	1.00	19.89
ATOM	5687	SG	CYS	1468	76.268	76.742	40.093	1.00	17.63
ATOM	5688	C	CYS	1468	73.141	79.382	40.633	1.00	20.36
ATOM	5689	ŏ	CYS	1468	72.698	79.535	41.771	1.00	20.45
	5690	N	GLN	1469	73.003	80.285	39.673	1.00	20.12
ATOM		CA	GLN	1469	72.351	81.554	39.927	1.00	20.40
ATOM	5691			1469	72.357	82.412	38.678	1.00	17.82
ATOM	5692	СВ	GLN		71.694	83.733	38.897	1.00	17.81
ATOM	5693	CG	GLN	1469		84.486	37.619	1.00	23.77
ATOM	5694	CD	GLN	1469	71.523			1.00	22.20
ATOM	5695	OE1	GLN	1469	71.323	83.894	36.558		28.08
ATOM	5696	NE2	GLN	1469	71.611	85.810	37.699	1.00	
ATOM	5697	С	GLN	1 4 69	70.919	81.356	40.393	1.00	21.30
ATOM	5698	0	GLN	1469	70.508	81.907	41.411	1.00	23.33
ATOM	5699	N	ASP	1470	70.153	80.578	39.641	1.00	21.99
ATOM	5700	CA	ASP	1470	68.771	80.323	40.004	1.00	22.24
ATOM	5701	СВ	ASP	1470	68.112	79.398	38.983	1.00	22.86
ATOM	5702	CG	ASP	1470	67.573	80.146	37.766	1.00	25.39
	5702	OD1	ASP	1470	67.784	81.375	37.639	1.00	21.98
ATOM		OD2	ASP	1470	66.913	79.488	36.937	1.00	24.95
ATOM	5704			1470	68.664	79.731	41.401	1.00	22.03
ATOM	5705	C	ASP			80.139	42.187	1.00	22.26
ATOM	5706	0	ASP	1470	67.805		41.726	1.00	21.04
ATOM	5707	N	ILE	1471	69.564	78.807		1.00	21.12
ATOM	5708	CA	ILE	1471	69.543	78.170	43.037		22.81
ATOM	5709	CB	ILE	1471	70.160	76.725	43.012	1.00	
ATOM	5710	CG2	ILE	1471	69.450	75.859	41.976	1.00	19.90
ATOM	5711	CG1	ILE	1471	71.653	76.755	42.689	1.00	25.14
ATOM	5712	CD1	ILE	1471	72.284	75.374	42.600	1.00	21.70
ATOM	5713	C	ILE	1471	70.160	79.040	44.139	1.00	20.42
ATOM	5714	0	ILE	1471	70.011	78.739	45.324	1.00	20.93
ATOM	5715	N	GLY	1472	70.808	80.137	43.751	1.00	19.66
ATOM	5716	CA	GLY	1472	71.403	81.047	44.722	1.00	19.79
ATOM	5717	C	GLY	1472	72.859	80.822	45.102	1.00	21.16
	5718	ŏ	GLY	1472	73.376	81.445	46.042	1.00	21.66
ATOM	5710 5719	N	ALA	1473	73.537	79.951	44.364	1.00	21.76
ATOM			ALA	1473	74.932	79.640	44.631	1.00	21.14
ATOM	5720	CA			75.157	70.164	44.468	1.00	23.54
ATOM	5721	СВ	ALA	1473		80.413	43.708	1.00	21.24
ATOM	5722	C	ALA	1473	75.862	80.365	42.493	1.00	20.90
ATOM	5723	0	ALA	1473			44.290	1.00	22.52
ATOM,	5724	N	LYS	1474	76.821	81.124			23.89
ATOM	5725	CA	LYS	1474	77.783	81.903	43.516	1.00	
ATOM	5726	CB	LYS	1474	78.276	83.110	44.326	1.00	28.89
ATOM	5727	CG	LYS	1474	77.167	84.009	44.856	1.00	38.03
ATOM	5728	CD	LYS	1474	77.720	85.285	45.496	1.00	44.94
ATOM	5729	CE	LYS	1474	76.605	86.167	46.073	1.00	47.23
ATOM	5730	NZ	LYS	1474	75.848	85.496	47.173	1.00	49.89
ATOM	5731	C	LYS	1474	78.983	81.057	43.110	1.00	22.37
ATOM	5732	Ö	LYS	1474		81.561	42.506	1.00	23.41
ATOM	5733	N	SER	1475	78.959	79.775	43.452	1.00	22.61
	5734	CA	SER	1475		78.871	43.128	1.00	22.50
ATOM			SER	1475		79.205	43.990	1.00	26.45
ATOM	5735 5736	CB		1475		79.203 79.161	45.376	1.00	32.98
ATOM	5736	OG	SER				43.393	1.00	21.22
ATOM	5737	C	SER	1475		77.430	43.3 9 3 44.152	1.00	20.30
ATOM	5738	0	SER	1475		77.177 76.400	42.780	1.00	20.38
ATOM	5739	N	LEU	1476	80.354	76.488	42.700	1.00	20.00

	5740	~ ^	LEU	1476	80.051	75.077	42.987	1.00	18.61
ATOM	5740	CA				74.200	42.017	1.00	13.19
ATOM	5741	СВ	LEU	1476	80.837			1.00	9.83
ATOM	5742	CG	LEU	1476	80.552	74.458	40.530		
ATOM	5743	CD1	LEU	1476	81.212	73.391	39.698	1.00	6.72
MOTA	5744	CD2	LEU	1476	79.066	74.458	40.248	1.00	9.78
ATOM	5745	С	LEU	1476	80.297	74.670	44.443	1.00	18.33
ATOM	5746	Ö	LEU	1476	79.567	73.858	44.997	1.00	21.64
ATOM	5747	Ň	THR	1477	81.282	75.280	45.085	1.00	18.50
	5748	CA	THR	1477	81.564	74.985	46.484	1.00	20.62
ATOM					82.787	75.775	46.994	1.00	22.41
ATOM	5749	СВ	THR	1477		75.775 75.394	46.249	1.00	24.52
ATOM	5750	OG1	THR	1477	83.954			1.00	24.60
ATOM	5751	CG2	THR	1477	83.012	75.512	48.480		
ATOM	5752	С	THR	1477	80.352	75.394	47.315	1.00	21.09
ATOM	5753	0	THR	1477	79.919	74.666	48.∠09	1.00	20.03
ATOM	5754	N	GLN	1478	79.801	76.560	46.988	_. 1.00	23.03
ATOM	5755	CA	GLN	1478	78.633	77.097	47.682	1.00	21.72
ATOM	5756	СВ	GLN	1478	78.298	78.499	47.157	1.00	20.38
ATOM	5757	CG	GLN	1478	77.346	79.323	48.022	1.00	22.66
		CD	GLN	1478	77.277	80.785	47.584	1.00	27.92
ATOM	5758				78.058	81.230	46.746	1.00	30.51
ATOM	5759	OE1	GLN -	1478				1.00	30.65
ATOM	5760	NE2	GLN	1478	76.339	81.533	48.147		
ATOM	5761	С	GLN	1478	77.455	76.164	47.483	1.00	21.55
ATOM	5762	0	GLN	1478	76.688	75.939	48.415	1.00	23.57
ATOM	5763	N	VAL	1479	77.342	75.575	46.294	1.00	21.36
ATOM	5764	CA	VAL	1479	76.233	74.660	46.017	1.00	21.51
ATOM	5765	СВ	VAL	1479	76.236	74.108	44.575	1.00	22.74
ATOM	5766	CG1	VAL	1479	75.022	73.222	44.365	1.00	23.03
	5767	CG2	VAL	1479	76.209	75.240	43.567	1.00	26.07
ATOM				1479	76.258	73.484	46.974	1.00	19.18
ATOM	5768	C	VAL				47.718	1.00	22.44
ATOM	5769	0	VAL	1479	75.302	73.271			
ATOM	5770	N	ARG	1480	77.364	72.748	46.988	1.00	16.57
ATOM	5771	CA	ARG	1480	77.491	71.593	47.872	1.00	15.29
ATOM	5772	CB	ARG	1480	78.815	70.881	47.628	1.00	10.45
ATOM	5773	CG	ARG	1480	78.930	70.342	46.217	1.00	9.69
ATOM	5774	CD	ARG	1480	80.084	69.386	46.086	1.00	16.38
ATOM	5775	NE	ARG	1480	81.362	70.000	46.434	1.00	21.07
ATOM	5776	CZ	ARG	1480	82.036	70.818	45.632	1.00	25.55
ATOM	5777	NH1	ARG	1480	81.551	71.129	44.433	1.00	27.33
	5778	NH2	ARG	1480	83.198	71.322	46.026	1.00	26.79
ATOM				1480	77.343	71.961	49.345	1.00	16.36
ATOM	5779	C	ARG					1.00	18.23
ATOM	5780	0	ARG	1480	76.749	71.215	50.121		
ATOM	5781	N	ALA	1481	77.855	73.126	49.724	1.00	17.05
ATOM	5782	CA	ALA	1481	77.767	73.594	51.103	1.00	15.72
ATOM	5783	CB	ALA	1481	78.547	74.874	51.265	1.00	14.94
ATOM	5784	С	ALA	1481	76.311	73.811	51.507	1.00	16.85
ATOM	5785	0	ALA	1481	75.902	73.446	52.612	1.00	16.33
ATOM	5786	N	MET	1482	75.541	74.409	50.604	1.00	16.63
ATOM	5787	CA	MET	1482	74.129	74.678	50.837	1.00	16.66
ATOM	5788	СВ	MET	1482	73.578	75.588	49.745	1.00	16.75
	5789	CG	MET	1482	74.147	76.989	49.757	1.00	16.82
ATOM								1.00	20.66
ATOM	5790	SD	MET	1482	73.715	77.910	48.286		
ATOM	5791	CE	MET	1482	71.961	77.896	48.402	1.00	17.74
ATOM	5792	С	MET	1482	73.327	73.386	50.867	1.00	17.97
ATOM	5793	0	MET	1482	72.324	73.286	51.576	1.00	18.54
ATOM	5794	N	MET	1483	73.753	72.404	50.081	1.00	16.86
ATOM	5795	CA	MET	1483	73.061	71.126	50.046	1.00	18.50
ATOM	5796	СВ	MET	1483	73.510	70.306	48.832	1.00	20.94
ATOM	5797	CG	MET	1483	72.920	68.905	48.753	1.00	21.75
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				4 400	74.040	67 612	49.328	1.00	25.70
ATOM	5798	SD	MET	1483	74.049	67.613		1.00	28.55
MOTA	5799	CE	MET	1483	73.300	67.145	50.866		
ATOM	5800	С	MET	1483	73.301	70.366	51.347	1.00	18.59
ATOM	5801	0	MET	1483	72.349	70.004	52.041	1.00	19.17
ATOM	5802	N	TYR	1484	74.569	70.174	51.703	1.00	17.46
ATOM	5803	ÇA	TYR	1484	74.924	69.459	52.929	1.00	17.19
ATOM	5804	СВ	TYR	1484	76.447	69.295	53.052	1.00	14.82
ATOM	5805	CG	TYR	1484	77.058	68.304	52.068	1.00	12.90
ATOM	5806	CD1	TYR	1484	76.709	66.952	52.087	1.00	11.22
ATOM	5807	CE1	TYR	1484	77.286	66.040	51.195	1.00	4.92
ATOM	5808	CD2	TYR	1484	77.998	68.717	51.132	1.00	11.91
ATOM	5809	CE2	TYR	1484	78.578	67.817	50.244	1.00	8.93
		CZ	TYR	1484	78.220	66.486	50.283	1.00	9.49
ATOM	5810		TYR	1484	78.824	65.617	49.411	1.00	16.42
ATOM	5811	ОН			74.342	70.094	54.196	1.00	17.55
ATOM	5812	C	TYR	1484		69.386	55.137	1.00	20.47
ATOM	5813	0	TYR	1484	73.985		54.223	1.00	16.85
ATOM	5814	N	SER	1485	74.255	71.419		1.00	15.90
ATOM	5815	CA .	SER	1485	73.693	72.128	55.367		
ATOM	5816	СВ	SER	1485	73.993	73.619	55.260	1.00	16.94
ATOM	5817	OG	SER	1485	73.387	74.177	54.100	1.00	20.34
ATOM	5818	С	SER	1485	72.185	71.943	55.375	1.00	16.36
ATOM	5819 °	0	SER	1485	71.520	72.200	56.374	1.00	15.00
ATOM	5820	N	GLY	1486	71.645	71.562	54.223	1.00	18.94
ATOM	5821	CA	GLY	1486	70.213	71.363	54.101	1.00	19.06
ATOM	5822	C	GLY	1486	69.528	72.559	53.469	1.00	20.47
ATOM .	5823	Õ	GLY	1486	68.349	72.482	53.105	1.00	21.02
ATOM	5824	Ň	GLÜ	1487	70.268	73.655	53.306	1.00	19.69
ATOM	5825	CA	GLU	1487	69.717	74.868	52.716	1.00	17.15
ATOM	5826	CB	GLU	1487	70.761	75.970	52.669	1.00	15.86
	5827	CG	GLU	1487	70.258	77.209	51.946	1.00	16.32
ATOM	5828	CD	GLU	1487	71.152	78.412	52.111	1.00	17.63
ATOM			GLU	1487	72.336	78.241	52.488	1.00	21.20
ATOM	5829	OE1			70.658	79.536	51.866	1.00	20.22
ATOM	5830	OE2	GLU	1487		74.669	51.325	1.00	17.26
ATOM	5831	C	GLU	1487	69.131		51.053	1.00	18.70
ATOM	5832	0	GLU	1487	68.021	75.127			15.56
ATOM	5833	N	LEU	1488	69.901	74.056	50.431	1.00	
ATOM	5834	CA	LEU	1488	69.429	73.808	49.076	1.00	13.65
ATOM	5835	CB	LEU	1488	70.553	73.244	48.207	1.00	10.67
ATOM	5836	CG	LEU	1488	70.361	73.271	46.691	1.00	9.52
ATOM	5837	CD1	LEU	1488	70.425	74.691	46.200	1.00	9.10
ATOM	5838	CD2	LEU	1488	71.446	72.456	46.021	1.00	9.59
ATOM	5839	С	LEU	1488	68.307	72.787	49.221	1.00	15.23
ATOM	5840	0	LEU	1488	68.473	71.779	49.912	1.00	16.81
ATOM	5841	N	LYS	1489	67.158	73.074	48.617	1.00	13.29
ATOM	5842	CA	LYS	1489	66.008	72.186	48.695	1.00	12.48
ATOM	5843	СВ	LYS	1489	64.798	72.959	49.209	1.00	11.34
ATOM	5844	CG	LYS	1489	64.876	73.337	50.681	1.00	11.57
ATOM	5845	CD	LYS	1489	64.740	72.104	51.568	1.00	16.04
ATOM	5846	CE	LYS	1489	64.503	72.469	53.025	1.00	15.13
ATOM	5847	NZ	LYS	1489	65.702	73.077	53.666	1.00	18.46
ATOM	5848	C	LYS	1489	65.694	71.562	47.344	1.00	13.92
						72.208	46.310	1.00	15.51
ATOM	5849	0	LYS	1489	65.850 65.249	72.208 70.307	47.366	1.00	14.08
ATOM	5850	N	PHE	1490	65.249			1.00	13.44
ATOM	5851	.CA	PHE	1490	64.903	69.550	46.163		
ATOM	5852	CB	PHE	1490	65.772	68.304	46.044	1.00	13.69
ATOM	5853	CG	PHE	1490	67.229	68.579	45.960	1.00	13.40
ATOM	5854	CD1	PHE	1490	67.936	68.979	47.082	1.00	13.78
ATOM	5855	CD2	PHE	1490	67.908	68.394	44.762	1.00	14.98

	5050	054	PHE	1490	69.303	69.193	47.016	1.00	14.99
MOTA	5856	CE1			69.283	68.604	44.683	1.00	15.84
ATOM	5857	CE2	PHE	1490			45.810	1.00	15.19
ATOM	5858	CZ	PHE	1490	69.979	69.003			
ATOM	5859	С	PHE	1490	63.464	69.061	46.240	1.00	14.19
ATOM	5860	0	PHE	1490	62.866	69.020	47.315	1.00	13.40
	5861	Ň	GLU	1491	62.937	68.611	45.109	1.00	14.95
ATOM		CA	GLU	1491	61.585	68.072	45.062	1.00	16.53
ATOM	5862			1491	60.559	69.180	44.844	1.00	15.55
ATOM	5863	СВ	GLU			68.662	44.957	1.00	15.94
ATOM	5864	CG	GLU	1491	59.148		45.021	1.00	17.10
ATOM	5865	CD	GLU	1491	58.131	69.757		1.00	22.71
ATOM	5866	OE1	GLU	1491	57.873	70.392	43.986		
ATOM	5867	OE2	GLU	1491	57.585	69.984	46.110	1.00	17.64
ATOM	5868	С	GLU	1491	61.458	67.002	43.979	1.00	17.22
ATOM	5869	Ö	GLU	1491	61.933	67.183	42.858	1.00	18.10
	5870	Ň	LYS	1492	60.857	65.870	44.331	1.00	18.86
ATOM			LYS	1492	60.675	64.771	43.385	1.00	20.24
ATOM	5871	CA			59.955	63.588	44.045	1.00	21.24
ATOM	5872	СВ	LYS	1492			45.228	1.00	29.14
ATOM	5873	CG	LYS	1492	60.671	62.965		1.00	40.81
ATOM	5874	CD	LYS	1492	59.814	61.878	45.880		
ATOM	5875	CE	LYS	1492	60.384	61.403	47.225	1.00	47.79
ATOM	5876	NZ	LYŞ	1492	59.540	60.341	47.876	1.00	51.47
ATOM	5877	c	LYS	1492	59.863	65.245	42.189	1.00	21.19
	5878	ŏ	LYS	1492	59.241	66.304	42.225	1.00	22.42
ATOM		N	ARG	1493	59.812	64.418	41.155	1.00	22.65
ATOM	5879			1493	59.090	64.758	39.944	1.00	20.77
ATOM	5880	CA	ARG			65.283	38.907	1.00	17.58
ATOM	5881	СВ	ARG	1493	60.090			1.00	21.05
ATOM	5882	CG	ARG	1493	59.509	66.229	37.886		13.84
ATOM	5883	CD	ARG	1493	60.557	67.199	37.349	1.00	
ATOM	5884	NE	ARG	1493	61.609	66.516	36.612	1.00	15.28
ATOM	5885	CZ	ARG	1493	62.023	66.864	35.395	1.00	19.75
ATOM	5886	NH1	ARG	1493	61.478	67.901	34.762	1.00	12.43
ATOM	5887	NH2	ARG	1493	62.995	66.170	34.806	1.00	22.01
	5888	C	ARG	1493	58.361	63.526	39.411	1.00	22.38
ATOM			ARG	1493	58.986	62.534	39.036	1.00	24.72
ATOM	5889	0		1494	57.035	63.554	39.460	1.00	21.33
ATOM	5890	N	THR			62.449	38.938	1.00	17.93
ATOM	5891	CA	THR	1494	56.240		39.278	1.00	13.07
ATOM	5892	CB	THR	1494	54.767	62.647			
ATOM	5893	OG1	THR	1494	54.283	63.821	38.613	1.00	16.64
ATOM	5894	CG2	THR	1494	54.590	62.840	40.758	1.00	9.17
ATOM	5895	С	THR	1494	56.397	62.517	37.418	1.00	19.78
ATOM	5896	0	THR	1494	56.855	63.534	36.893	1.00	21.83
ATOM	5897	Ň	SER	1495	55.998	61.470	36.701	1.00	21.91
	5898	CA	SER	1495	56.108	61.482	35.243	1.00	22.93
ATOM			SER	1495	55.591	60.187	34.637	1.00	22.00
ATOM	5899	CB		1495	56.544	59.159	34.813	1.00	29.94
ATOM	5900	OG	SER				34.653	1.00	25.21
ATOM	5901	С	SER	1495	55.356	62.665			26.52
ATOM	5902	0	SER	1495	55.863	63.339	33.757	1.00	
ATOM	5903	N	SER	1496	54.151	62.922	35.154	1.00	25.45
ATOM	5904	CA	SER	1496	53.376	64.056	34.681	1.00	24.09
ATOM	5905	СВ	SER	1496	52.026	64.125	35.397	1.00	24.76
ATOM	5906	ŌĞ	SER	1496	51.146	63.121	34.928	1.00	24.43
	5907	c	SER	1496	54.201	65.317	34.946	1.00	23.62
ATOM			SER	1496	54.329	66.172	34.071	1.00	26.31
ATOM	5908	0		1490		65.405	36.125	1.00	20.98
ATOM	5909	N	ALA				36.462	1.00	20.31
ATOM	5910	CA	ALA	1497		66.561			20.07
ATOM	5911	CB	ALA	1497		66.526	37.931	1.00	
ATOM	5912	С	ALA	1497		66.612	35.564	1.00	19.59
ATOM	5913	0	ALA	1497	57.508	67.665	35.404	1.00	18.61
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A T.O. A	5914	N	GLN	1498	57.244	65.469	34.985	1.00	18.72
MOTA	5915	CA	GLN	1498	58.388	65.390	34.078	1.00	20.53
ATOM	5916	СВ	GLN	1498	58.963	63.965	34.035	1.00	22.06
ATOM	5917	CG	GLN	1498	59.614	63.495	35.334	1.00	22.10
ATOM	5917 5918	CD	GLN	1498	60.314	62.146	35.192	1.00	24.33
ATOM		OE1	GLN	1498	60.366	61.348	36.136	1.00	28.22
ATOM	5919	NE2	GLN	1498	60.864	61.890	34.018	1.00	25.10
ATOM	5920		GLN	1498	57.959	65.822	32.668	1.00	19.53
ATOM	5921	C		1498	58.644	66.610	32.011	1.00	17.18
MOTA	5922	0	GLN	1499	56.807	65.327	32.225	1.00	19.64
ATOM	5923	N	VAL	1499	56.260	65.664	30.912	1.00	21.79
ATOM	5924	CA	VAL	1499	54.935	64.916	30.648	1.00	24.74
MOTA	5925	СВ	VAL		54.392	65.273	29.271	1.00	28.60
ATOM	5926	CG1	VAL	1499		63.416	30.752	1.00	23.82
ATOM	5927	CG2	VAL	1499	55.146	67.165	30.866	1.00	21.34
ATOM	5928	С	VAL	1499	55.989		29.871	1.00	20.70
ATOM	5929	0	VAL	1499	56.251	67.836	31.970	1.00	23.11
MOTA	5930	N	GLU	1500	55.469	67.679	31. 9 70 32.100	1.00	24.20
ATOM	5931	CA	GLU	1500	55.168	69.089		1.00	21.44
ATOM	5932	CB	GLU	1500	54.407	69.337	33.397	1.00	20.79
ATOM	5933	CG	GLU	1500	54.165	70.797	33.682		22.34
ATOM	5934	CD	GLU	1500	53.539	71.018	35.029	1.00	
ATOM	5935	OE1	GLU	1500	54.295	71.197	36.010	1.00	19.52
ATOM	5936	OE2	GLU	1500	52.289	71.013	35.109	1.00	25.92
ATOM	5937	С	GLU	1500	56.439	69.931	32.093	1.00	26.10
ATOM	5938	0	GLU	1500	56.414	71.097	31.692	1.00	29.46
ATOM	5939	N	GLY	1501	57.529	69.361	32.594	1.00	25.56
ATOM	5940	CA	GLY	1501	58.782	70.089	32.637	1.00	25.86
ATOM	5941	Ç	GLY	1501	59.460	70.189	31.284	1.00	26.27
ATOM	5942	ŏ	GLY	1501	60.303	71.064	31.065	1.00	26.75
ATOM	5943	Ň	GLY	1502	59.127	69.270	30.386	1.00	25.70
ATOM	5944	CA	GLY	1502	59.720	69.302	29.066	1.00	24.56
ATOM	5945	C	GLY	1502	58.752	69.921	28.084	1.00	24.73
ATOM	5946	ŏ	GLY	1502	57.611	70.224	28.444	1.00	24.99
ATOM	5947	Ň	VAL	1503	59.192	70.112	26.846	1.00	23.11
ATOM	5948	CA	VAL	1503	58.327	70.685	25.836	1.00	23.44
	5949	CB	VAL	1503	59.041	70.797	24.492	1.00	19.90
ATOM	5950	CG1	VAL	1503	58.095	71.365	23.450	1.00	21.64
ATOM	5950 5951	CG2	VAL	1503		71.678	24.637	1.00	14.59
ATOM	5951	C	VAL	1503		69.798	25.697	1.00	27.31
MOTA	5953 5953	Ö	VAL	1503		68.568	25.736	1.00	27.96
ATOM	5954	N	HIS	1504		70.429	25.558	1.00	28.89
ATOM	595 4 5955	CA	HIS	1504		69.702	25.431	1.00	30.28
ATOM	5956	CB	HIS	1504		69.149	26.799	1.00	26.93
ATOM	595 0	CG	HIS	1504		70.203	27.850	1.00	24.05
MOTA		CD2	HIS	1504		70.636	28.851	1.00	23.41
ATOM	5958	ND1	HIS	1504		70.913	27.970	1.00	21.05
ATOM	5959		HIS	1504		71.734	29.002	1.00	19.17
ATOM	5960	CE1	HIS	1504		71.585	29.555	1.00	17.87
ATOM	5961	NE2		1504		70.595	24.891	1.00	33.15
ATOM	5962	С	HIS			71.817	24.937	1.00	33.63
ATOM	5963	0	HIS	1504		69.971	24.363	1.00	36.01
ATOM	5964	N	SER	1505		70.683	23.855	1.00	39.13
ATOM	5965	CA	SER	1505			24.978	1.00	41.06
ATOM	5966	СВ	SER	1505		71.540	24.976 26.158	1.00	43.13
MOTA	5967	OG	SER	1505		70.761	20.150	1.00	39.96
MOTA	5968	C	SER	1505		71.522		1.00	42.24
MOTA	5969	0	SER	1505		72.391	22.268	1.00	38.97
MOTA	5970	N	LEU	1506		71.228	21.858	1.00	37.89
MCTA	5971	CA	LEU	1506	52.928	71.943	20.629	1.00	31.08

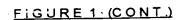
	5070	CB	LEU	1506	54.389	72.400	20.626	1.00	34.20
ATOM	5972	CB					21.768	1.00	33.10
ATOM	5973	CG	LEU	1506	54.817	73.321			
ATOM	5974	CD1	LEU	1506	56.290	73.647	21.623	1.00	32.84
	5975	CD2	LEU	1506	53.974	74.597	21.772	1.00	33.22
ATOM				1506	52.671	71.024	19.444	1.00	38.79
ATOM	5976	С	LEU					1.00	40.77
ATOM	5977	0	LEU	1506	52.590	69.807	19.600		
ATOM	5978	N	HIS	1507	52.501	71.610	18.267	1.00	38.76
			HIS	1507	52.277	70.833	17.064	1.00	38.33
ATOM	5979	CA				71.623	16.079	1.00	36.69
ATOM	5980	CB	HIS	1507	51.428				
ATOM	5981	CG	HIS	1507	51.148	70.886	14.812	1.00	37.52
ATOM	5982	CD2	HIS	1507	51.836	70.819	13.649	1.00	36.79
			HIS	1507	50.062	70.054	14.668	1.00	39.80
ATOM	5983	ND1			50.093	69.501	13.467	1.00	42.20
ATOM	5984	CE1	HIS	1507					39.42
ATOM	5985	NE2	HIS	1507	51.160	69.950	12.828	1.00	
ATOM	5986	С	HIS	1507	53.628	70.488	16.436	1.00	40.28
			HIS	1507	53.735	69.574	15.619	1.00	41.56
ATOM	5987	0				71.264	16.795	1.00	40.86
ATOM	5988	Ν	SER	1508	54.643				
ATOM	5989	CA	SER	1508	56.006	71.085	16.311	1.00	40.77
	5990	СВ	SER	1508	56.075	71.209	14.782	1.00	43.11
ATOM			SER	1508	55.586	72.461	14.328	1.00	46.02
ATOM	5991	OG					16.963	1.00	40.37
ATOM	5992	С	SER	1508	56.818	72.186			
ATOM	5993	0	SER	1508	56.250	73.152	17.472	1.00	39.76
	5994	Ň	TYR	1509	58.136	72.044	16.957	1.00	41.93
ATOM				1509	59.001	73.037	17.569	1.00	44.96
ATOM	5995	CA	TYR					1.00	42.23
ATOM	5996	CB	TYR	1509	58.817	73.039	19.090		
ATOM	5997	CG	TYR	1509	59.187	71.736	19.772	1.00	40.95
	5998	CD1	TYR	1509	58.297	70.663	19.800	1.00	40.13
ATOM					58.621	69.474	20.452	1.00	39.44
ATOM	5999	CE1	TYR	1509				1.00	39.93
ATOM	6000	CD2	TYR	1509	60.420	71.587	20.411		
ATOM	6001	CE2	TYR	1509	60.755	70.403	21.065	1.00	37.74
		CZ	TYR	1509	59.852	69.350	21.084	1.00	37.07
ATOM	6002				60.173	68.183	21.744	1.00	34.33
ATOM	6003	ОН	TYR	1509				1.00	48.47
ATOM	6004	С	TYR	1509	60.462	72.782	17.243		
ATOM	6005	0	TYR	1509	60.834	71.688	16.810	1.00	49.70
ATOM	6006	Ñ	GLU	1510	61.279	73.809	17.443	1.00	51.00
			GLU	1510	62.709	73.723	17.213	1.00	53.89
ATOM	6007	CA					16.298	1.00	57.15
ATOM	6008	CB	GLU	1510	63.194	74.861			
ATOM	6009	CG	GLU	1510	62.659	74.847	14.866	1.00	63.16
ATOM	6010	CD	GLU	1510	61.265	75.448	14.728	1.00	65.36
			GLU	1510	60.287	74.674	14.650	1.00	67.81
MOTA	6011	OE1				76.694	14.677	1.00	65.33
ATOM	6012	OE2	GLU	1510	61.149				54.90
ATOM	6013	С	GLU	1510	63.361	73.881	18.579	1.00	
ATOM	6014	0	GLU	1510	63.159	74.902	19.247	1.00	53.02
			LYS	1511	64.059	72.848	19.037	1.00	57.49
ATOM	6015	N				72.939	20.316	1.00	61.49
ATOM	6016	CA	LYS	1511	64.748				
ATOM	6017	СВ	LYS	1511	64.687	71.622	21.097	1.00	60.99
ATOM	6018	CG	LYS	1511	65.450	71.678	22.425	1.00	61.77
		CD	LYS	1511	64.736	70.941	23.554	1.00	62.61
ATOM	6019					69.451	23.290	1.00	62.49
ATOM	6020	CE	LYS	1511	64.610				
ATOM	6021	NZ	LYS	1511	63.891	68.781	24.404	1.00	59.52
ATOM	6022	С	LYS	1511	66.184	73.322	19.989	1.00	64.39
		ŏ	LYS	1511	66.991	72.475	19.609	1.00	64.69
ATOM	6023					74.621	20.073	1.00	67.99
ATOM	6024	Ν	ARG	1512	66.462				
ATOM	6025	CA	ARG	1512		75.174	19.769	1.00	71.02
ATOM	6026	СВ	ARG	1512	67.660	76.148	18.587	1.00	72.88
	6027	CG	ARG	1512		76.940	18.264	1.00	76.14
ATOM						77.854	17.070	1.00	77.65
ATOM	6028	CD	ARG	1512				1.00	78.89
ATOM	6029	NE	ARG	1512	69.670	78.931	17.012	1.00	10.03



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				FIGU	RE I	JUNI.			
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	6030 6031 6032 6033 6034 6035 6036 6037 6038 6040 6041 6042 6043 6044 6045 6046 6047 6048 6049 6050 6051 6052	CZ NH1 NH2 C O N CB CCD1 CCD2 C O N CB CCD1 CCE1 CCE2 CZ	ARG G G G L L L L L L L L L L L L L L L L	1512 1512 1512 1512 1513 1513 1513 1513	69.434 70.386 68.246 68.351 67.735 69.526 70.202 70.450 69.907 70.459 68.403 71.540 72.330 71.786 73.035 74.187 75.234 76.334 75.139 77.322 76.124 77.217 73.358	80.130 81.052 80.411 75.882 76.808 75.431 75.995 74.903 75.114 76.390 75.154 76.569 75.870 77.831 78.501 77.962 77.176 77.821 75.790 77.102 75.058 75.716 78.403 78.935	16.489 16.487 15.967 20.994 21.536 21.425 22.589 23.633 25.046 25.644 25.002 22.157 21.524 22.493 22.150 23.022 22.266 21.704 22.144 21.032 21.472 20.917 20.663 19.871	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	79.72 81.31 80.18 72.40 73.61 72.64 72.96 74.17 75.57 74.67 76.98 72.37 74.72 70.03 69.17 68.65 69.27 69.25 68.83 69.55 67.98 68.62 69.23 69.84
ATOM	6053	0	PHE	1514	72.555	70.933	19.071	1.00	05.04
			MYC	OPHENO	DLIC ACID	COORDINA	ATES		
ATOM ATOM ATOM ATOM ATOM ATOM	6054 6055 6056 6057 6058 6059	C1 C2 C3 C4 C5	MPA MPA MPA MPA MPA	600 600 600 600 600	65.465 64.965 65.184 64.287 65.137 65.253	77.946 82.390 83.667 84.707 85.590 85.045	82.675 86.174 86.507 85.868 84.963 83.556 83.532	1.00 1.00 1.00 1.00 1.00 1.00	22.52 28.62 27.05 28.54 30.58 30.28 16.82
ATOM	6060	C7	MPA	600	69.774	80.138	03.532	1.00	25.41

82.955 84.968 1.00 25.41 68.434 **MPA** 600 **C8 ATOM** 6061 21.05 87.463 1.00 66.289 84.104 MPA 600 C9 **ATOM** 6062 1.00 22.44 600 67.752 78.112 82.103 **MPA** C10 **ATOM** 6063 23.81 1.00 79.077 83.229 **MPA** 600 67.453 **ATOM** 6064 C11 22.85 1.00 83.900 600 68.329 79.977 C12 **MPA** 6065 **ATOM** 19.51 1.00 80.724 84.953 600 67.789 6066 C13 **MPA ATOM** 1.00 20.51 80.564 85.334 600 66.447 **MPA ATOM** 6067 C14 21.29 79.682 84.658 1.00 65.599 **MPA** 600 6068 C15 **ATOM** 1.00 20.87 66.128 78.943 83.588 6069 C16 **MPA** 600 **ATOM** 1.00 26.71 86.548 65.922 81.277 6070 C17 **MPA** 600 **ATOM** 1.00 24.71 82.588 64.326 77.614 **ATOM** 6071 01 **MPA** 600 1.00 22.84 81.897 77.474 66.444 **MPA** 600 **ATOM** 6072 02 85.549 1.00 22.76 81.644 68.589 **ATOM** 6073 03 **MPA** 600 64.288 79.552 85.100 1.00 22.58 6074 **MPA** 600 **ATOM** 04 1.00 29.39 64.203 84.705 82.966 **MPA** 600 **ATOM** 6075 05 1.00 26.99 83.045 66.393 84.955 MPA 600 6076 06 **ATOM** 33.345 1.00 26.44 1600 79.693 50.178 **MPA** 6077 C1 **ATOM** 1.00 29.82 47.108 29.935 6078 **MPA** 1600 83.159 C2 **ATOM** 29.575 34.15 1.00 1600 84.293 46.491 6079 C3 **MPA ATOM** 37.23 30.003 1.00 1600 84.532 45.067 MPA **ATOM** 6080 C4 31.192 1.00 40.84 85.484 45.043 MPA 1600 6081 C5 **ATOM** 44.96 1600 84.826 45.492 32.482 1.00 **MPA** 6082 C6 **MOTA** 17.32 1.00 MPA 1600 84.075 52.238 32.906 6083 **C7 ATOM**



ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	6084 6085 6086 6087 6088 6089 6090 6091 6092 6093 6094 6095 6096 6097 6098	C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 O1 O2 O3 O4 O5 O6	MPA MPA MPA MPA MPA MPA MPA MPA MPA MPA	1600 1600 1600 1600 1600 1600 1600 1600	85.729 85.387 81.252 81.874 83.142 83.489 82.574 81.294 80.967 82.921 78.656 79.927 84.766 80.486 83.932 85.195	49.609 47.148 51.809 51.061 51.217 50.344 49.363 49.201 50.093 48.553 49.607 51.146 50.358 48.095 44.764 46.576	31.502 28.760 34.093 32.928 32.355 31.304 30.850 31.461 32.513 29.618 33.246 34.238 30.746 31.123 32.975 33.001	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	27.67 35.11 28.90 26.34 22.18 24.79 26.59 29.67 28.76 25.16 25.25 27.50 26.41 27.52 45.51 44.94
			PC	TASSIL	JM ION CC	ORDINATE	<u>s</u>		
ATOM ATOM	6100 6101	K K	POT POT	601 602	63.503 72.494	70.962 52.620	85.991 29.752	1.00 1.00	41.47 37.46
			<u>W</u> A7	TER MO	LECULE C	OORDINAT	<u>ES</u>		
ATOM ATOM ATOM ATOM ATOM ATOM ATOM ATOM	6102 6103 6104 6105 6106 6107 6108 6109 6110 6111 6112 6113 6114 6115 6116 6117 6118 6120 6121 6122 6123 6124 6125 6126 6127	OH2 OH2 OH2 OH2 OH2 OH2 OH2 OH2 OH2 OH2	TIP3 TIP3 TIP3 TIP3 TIP3 TIP3 TIP3 TIP3	603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 620 621 622 623 624 625 626 627 628	63.529 91.351 72.344 85.033 96.774 64.807 74.275 87.085 68.730 91.223 66.928 71.384 70.964 66.840 72.339 77.701 88.760 85.731 92.864 52.798 90.156 66.346 78.607 85.421 81.905 69.287	79.256 74.319 46.035 54.784 41.059 62.160 63.885 56.492 96.796 66.176 74.617 87.659 58.275 52.566 79.150 57.856 76.344 78.904 86.761 60.668 46.925 64.284 68.770 51.000 76.656 88.078	47.792 96.225 101.631 29.616 42.265 83.369 63.004 64.953 74.318 88.226 83.416 97.919 81.606 68.535 86.746 53.021 71.423 27.766 83.337 36.659 37.917 84.367 56.915 81.149 101.724 78.412	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	13.93 20.69 17.67 20.16 21.27 22.21 27.93 59.52 25.43 23.25 21.39 52.73 37.09 30.80 26.56 59.36 25.83 53.37 50.40 44.29 54.24 41.00 48.73 29.22 40.26 41.23
ATOM ATOM ATOM ATOM ATOM ATOM	6128 6129 6130 6131 6132 6133	OH2 OH2 OH2 OH2 OH2 OH2	TIP3 TIP3 TIP3 TIP3 TIP3	629 630 631 632 633 634	79.428 68.417 74.926 97.224 71.296 80.899	72.947 98.204 65.022 50.021 88.279 65.865	68.392 82.153 60.600 75.346 64.915 59.607	1.00 1.00 1.00 1.00 1.00 1.00	18.91 40.95 56.88 35.64 54.34 32.10

ATOM	6134	OH2	TIP3	635	66.483	65.049	30.246	1.00	20.26
ATOM	6135	OH2	TIP3	636	93.787	75.011	36.209	1.00	40.10
ATOM		OH2	TIP3	637	83.837	45.961	49.613	1.00	30.53
ATOM	6136			638	110.170	56.656	42.696	1.00	41.92
ATOM	6137	OH2	TIP3		84.500	64.574	47.772	1.00	42.47
MOTA	6138	OH2	TIP3	639			68.569	1.00	22.92
ATOM	6139	OH2	TIP3	640	84.650	68.995		1.00	64.07
ATOM	6140	OH2	TIP3	641	75.389	62.003	106.019		35.20
ATOM	6141	OH2	TIP3	642	65.093	83.895	66.370	1.00	
ATOM	6142	OH2	TIP3	643	79.572	69.513	68.092	1.00	41.73
ATOM	6143	OH2	TIP3	644	81.705	69.807	13.345	1.00	75.61
ATOM	6144	OH2	TIP3	645	79.766	83.945	66.824	1.00	38.58
ATOM	6145	OH2	TIP3	646	76.630	91.036	98.006	1.00	30.86
ATOM	6146	OH2	TIP3	647	92.426	72.749	82.096	1.00	23.28
ATOM	6147	OH2	TIP3	648	92.577	69.692	44.133	1.00	36.85
	6148	OH2	TIP3	649	82.576	41.782	29.517	1.00	39.32
ATOM	6149	OH2	TIP3	650	65.551	66.516	32.182	1.00	34.30
ATOM		OH2	TIP3	651	61.739	81.979	81.423	1.00	21.79
ATOM	6150			652	74.532	61.047	62.982	1.00	23.13
MOTA	6151	OH2	TIP3		73.416	69.959	84.520	1.00	24.72
ATOM	6152	OH2	TIP3	653			87.501	1.00	28.42
ATOM	6153	OH2	TIP3	654	87.526	78.696	75.481	1.00	29.52
ATOM	6154	OH2	TIP3	655	73.301	97.166			36.44
ATOM	6155	OH2	TIP3	656	80.797	97.236	80.169	1.00	
ATOM	6156	OH2	TIP3	657	72.410	82.003	80.433	1.00	39.64
ATOM	6157	OH2	TIP3	658	70.797	81.205	86.943	1.00	26.15
ATOM	6158	OH2	TIP3	659	69.119	86.448	85.434	1.00	37.81
ATOM	6159	OH2	TIP3	660	65.869	78.967	75.344	1.00	39.42
ATOM	6160	OH2	TIP3	661	87.122	84.588	70.107	1.00	41.94
ATOM	6161	OH2	TIP3	662	66.313	71.983	78.252	1.00	15.40
ATOM	6162	OH2	TIP3	663	61.479	73.532	84.529	1.00	24.10
ATOM	6163	OH2	TIP3	664	73.933	69.027	88.128	1.00	25.97
	6164	OH2	TIP3	665	63.498	69.506	79.814	1.00	26.48
ATOM	6165	OH2	TIP3	666	61.100	68.368	79.010	1.00	45.05
ATOM		OH2	TIP3	667	73.033	68.873	79.995	1.00	10.40
ATOM	6166		TIP3	668	75.053 75.053	67.738	67.556	1.00	25.98
ATOM	6167	OH2			70.945	65.926	61.108	1.00	30.20
ATOM	6168	OH2	TIP3	669			70.861	1.00	14.26
MOTA	6169	OH2	TIP3	670	79.966	71.965		1.00	34.10
ATOM	6170	OH2	TIP3	671	73.205	58.622	82.862		31.75
ATOM	6171	OH2	TIP3	672	77.591	58.927	88.294	1.00	
ATOM	6172	OH2	TIP3	673	82.216	67.818	102.675	1.00	31.66
ATOM	6173	OH2	TIP3	674	82.356	78.417	96.074	1.00	45.06
ATOM	6174	OH2	TIP3	675	74.350	76.446	100.156	1.00	20.12
ATOM	6175	OH2	TIP3	676	73.281	74.984	103.568	1.00	37.74
ATOM	6176	OH2	TIP3	677	67.784	70.872	110.507	1.00	50.41
ATOM	6177	OH2	TIP3	678	78.658	70.113	110.447	1.00	37.54
ATOM	6178	OH2	TIP3	679	68.600	84.196	101.581	1.00	67.03
ATOM	6179	OH2	TIP3	680	68.093	85.770	90.932	1.00	32.35
ATOM	6180	OH2	TIP3	681	60.473	85.655	86.947	1.00	34.10
ATOM	6181	OH2	TIP3	682	84.197	63.598	97,245	1.00	34.52
ATOM	6182	OH2	TIP3	683	90.212	55.985	83.506	1.00	56.22
			TIP3	684	88.466	52.166	69.315	1.00	46.13
ATOM.	6183	OH2		685	93.732	59.819	73.153	1.00	29.48
ATOM	6184	OH2	TIP3				59.818	1.00	33.51
ATOM	6185	OH2	TIP3	686	74.318	60.741 56.211		1.00	55.85
ATOM	6186	OH2	TIP3	687	84.856	56.311	60.236		
MOTA	6187	OH2	TIP3	688	75.504	58.569	65.142	1.00	24.35
ATOM	6188	OH2	TIP3	689	66.245	47.634	93.849	1.00	35.24
MOTA	6189	OH2	TIP3	690	88.810	54.683	17.033	1.00	68.14
ATOM	6190	OH2	TIP3	691	83.094	60.169	17.837	1.00	42.20
ATOM	6191	OH2	TIP3	692	92.231	70.264	19.371	1.00	22.36



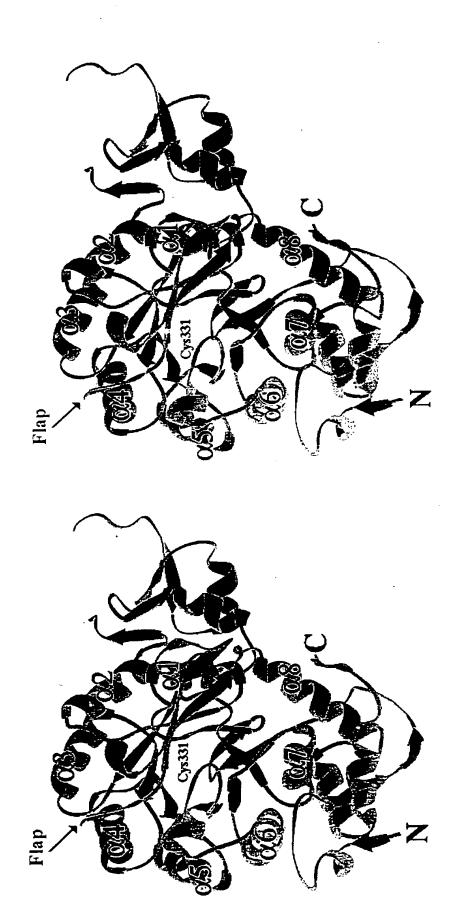


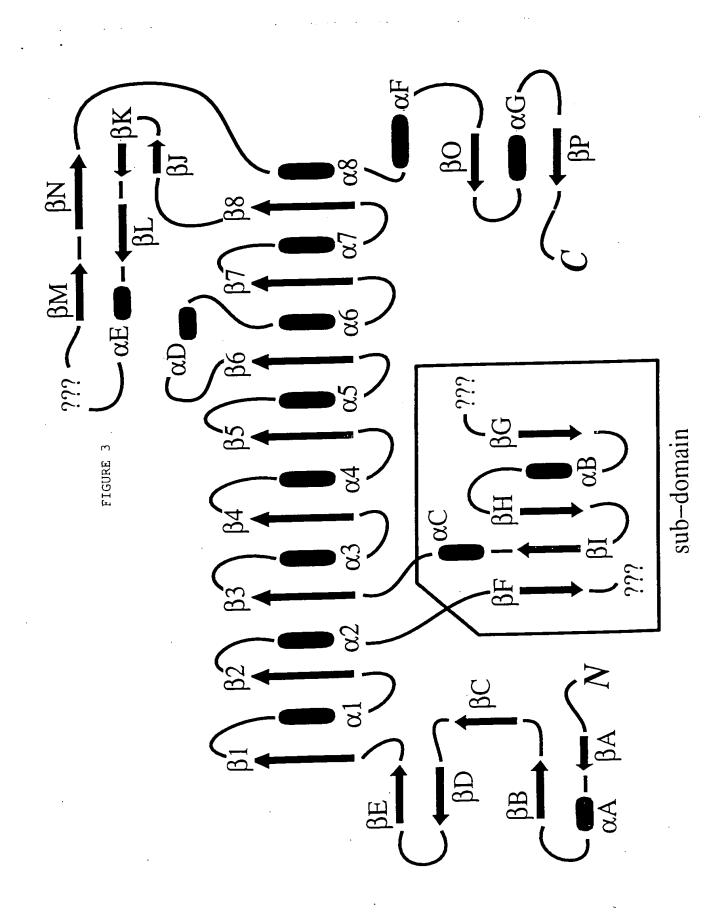
					00.074	70.054	28.213	1.00	23.97
ATOM	6192	OH2	TIP3	693	89.874	79.054			19.81
ATOM	6193	OH2	TIP3	694	93.455	67.246	28.718	1.00	
ATOM	6194	OH2	TIP3	695	104.670	51.741	36.100	1.00	54.63
ATOM	6195	OH2	TIP3	696	80.782	44.301	34.548	1.00	31.71
ATOM	6196	OH2	TIP3	697	81.029	45.306	48.967	1.00	21.33
	6197	OH2	TIP3	698	97.717	63.697	46.528	1.00	47.29
ATOM		OH2	TIP3	699	93.154	58.370	49.439	1.00	29.43
ATOM	6198		TIP3	700	73.721	49.371	31.619	1.00	28.64
ATOM	6199	OH2		701	75.341	54.478	37.368	1.00	44.88
ATOM	6200	OH2	TIP3		71.483	53.761	36.481	1.00	43.75
ATOM	6201	OH2	TIP3	702		48.134	29.440	1.00	45.27
ATOM	6202	OH2	TIP3	703	70.805			1.00	23.68
ATOM	6203	OH2	TIP3	704	67.240	57.027	45.672	1.00	35.21
ATOM	6204	OH2	TIP3	705	73.938	65.367	53.641		
ATOM	6205	OH2	TIP3	706	76.765	63.952	48.338	1.00	39.11
ATOM	6206	OH2	TIP3	707	86.429	64.888	41.271	1.00	47.43
ATOM	6207	OH2	TIP3	708	79.337	55.169	33.298	1.00	25.21
ATOM	6208	OH2	TIP3	709	77.021	61.621	35.635	1.00	12.75
ATOM	6209	OH2	TIP3	710	77.475	62.445	28.068	1.00	17.76
	6210	OH2	TIP3	711	65.308	68.280	34.978	1.00	60.08
ATOM	6211	OH2	TIP3	712	81.233	66.515	47.960	1.00	16.11
ATOM		OH2	TIP3	713	85.329	69.050	46.064	1.00	41.01
ATOM	6212			714	78.087	61.162	31.841	1.00	33.88
MOTA	6213	OH2	TIP3	715	83.936	58.250	16.183	1.00	19.59
MOTA	6214	OH2	TIP3			55.186	22.421	1.00	52.59
ATOM	6215	OH2	TIP3	716	84.076			1.00	20.02
ATOM	6216	OH2	TIP3	717	71.928	61.664	18.579	1.00	52.28
ATOM	6217	OH2	TIP3	718	71.233	71.762	28.181		
ATOM	6218	OH2	TIP3	719	82.842	72.092	48.741	1.00	29.08
ATOM	6219	OH2	TIP3	720	66.512	75.646	47.219	1.00	30.30
ATOM	6220	OH2	TIP3	721	47.558	69.374	15.382	1.00	63.67
ATOM	6221	OH2	TIP3	722	57.528	74.361	14.349	1.00	17.13
ATOM	6222	OH2	TIP3	723	92.602	74,600	98.553	1.00	40.55
ATOM	6223	OH2	TIP3	724	95.012	73.669	97.163	1.00	52.61
ATOM	6224	OH2	TIP3	725	85.703	52.369	29.241	1.00	33.33
ATOM	6225	OH2	TIP3	726	87.263	53.317	35.120	1.00	33.57
	6226	OH2	TIP3	727	97.146	44.242	39.694	1.00	51.07
MOTA		OH2	TIP3	728	66.879	61.968	81.685	1.00	21.70
ATOM	6227		TIP3	729	63.716	59.555	84.121	1.00	19.58
ATOM	6228	OH2		730	68.397	64.441	82.651	1.00	40.07
ATOM	6229	OH2	TIP3			59.240	59.629	1.00	50.06
ATOM	6230	OH2	TIP3	731	71.867		68.351	1.00	47.64
ATOM	6231	OH2	TIP3	732	89.666	54.437		1.00	60.59
ATOM	6232	OH2	TIP3	733	71.067	95.544	76.431		71.60
ATOM	6233	OH2	TIP3	734	65.904	98.120	73.267	1.00	
ATOM	6234	OH2	TIP3	735	92.274	63.420	87.295	1.00	34.70
ATOM	6235	OH2	TIP3	736	91.884	59.474	86.045	1.00	39.11
ATOM	6236	OH2	TIP3	737	97.536	64.003	85.787	1.00	41.08
ATOM	6237	OH2	TIP3	738	69.252	74.894	82.126	1.00	22.96
ATOM	6238	OH2	TIP3	739	71.940	55.321	80.912	1.00	34.50
ATOM .	6239	OH2	TIP3	740	70.550	55.962	83.229	1.00	38.09
ATOM	6240	OH2	TIP3	741	68.530	50.686	67.504	1.00	36.49
	6241	OH2	TIP3	742	67.078	49.872	64.964	1.00	43.81
ATOM				743	79.200		55.790	1.00	36.92
ATOM	6242	OH2	TIP3		87.067	77.893	23.397	1.00	43.96
ATOM	6243	OH2	TIP3	744			23.3 3 7 38.719	1.00	36.98
ATOM	6244	OH2	TIP3	745	54.640	58.967		1.00	44.76
ATOM	6245	OH2	TIP3	746	51.786	59.284	33.944		
ATOM	6246	OH2	TIP3	747	90.904	49.068	36.430	1.0016	
ATOM	6247	OH2	TIP3	748	82.871	63.204	61.483	1.00	41.80
ATOM	6248	OH2	TIP3	749	88.761	50.228	82.920	1.00	58.55
ATOM	6249	OH2	TIP3	750	81.750	74.065	103.304	1.00	39.00

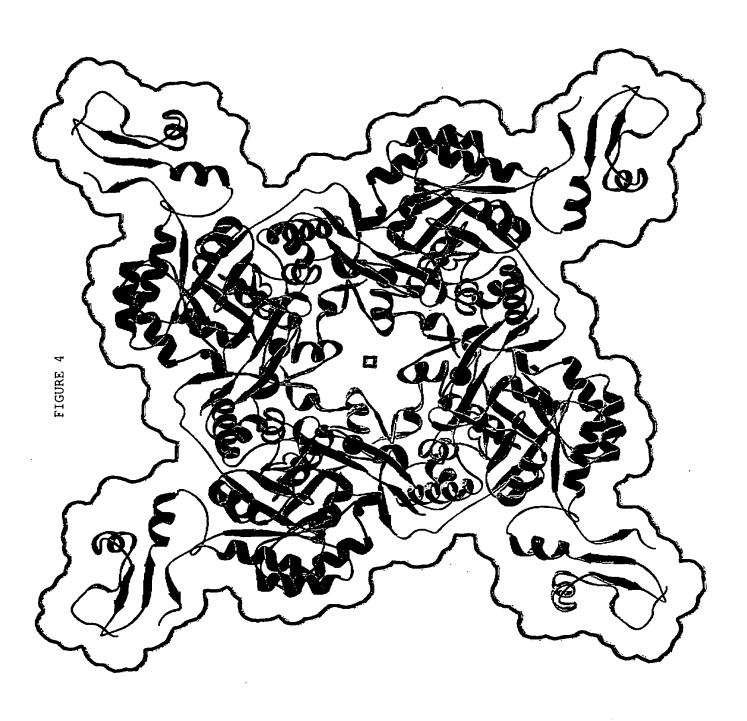


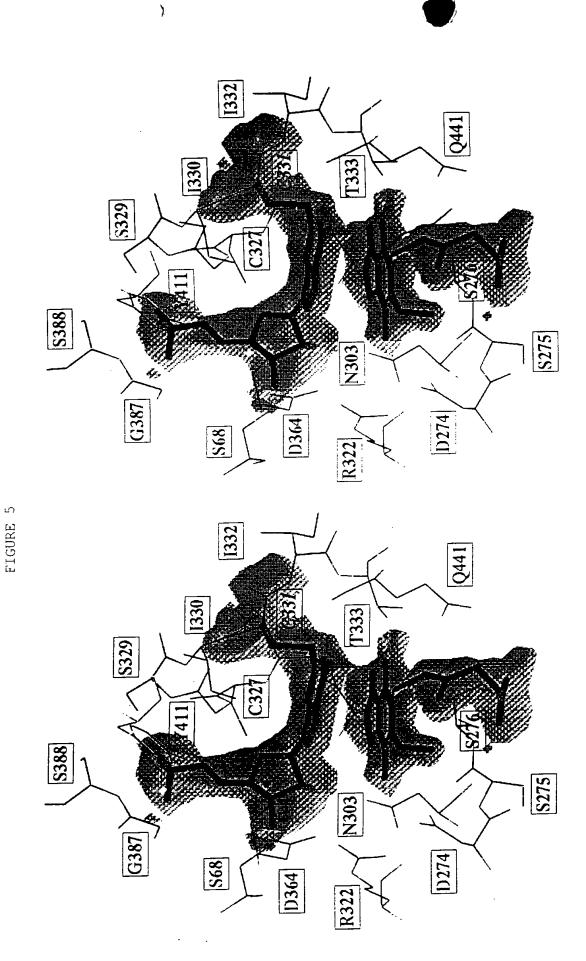


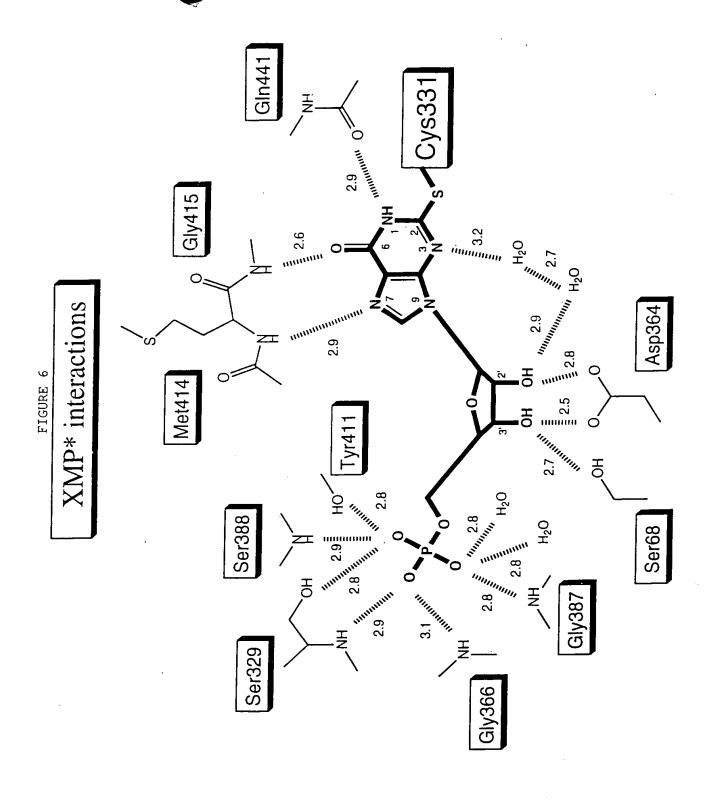
							77.004		05.75
ATOM	6250	OH2	TIP3	751	66.504	88.568	77.984	1.00	65.75
ATOM	6251	OH2	TIP3	752	69.412	89.769	82.897	1.00	56.13
ATOM	6252	OH2	TIP3	753	82.689	72.715	67.756 ·	1.00	22.04
ATOM	6253	OH2	TIP3	754	93.644	47.147	67.273	1.00	54.18
						53.639	71.995	1.00	69.31
ATOM	6254	OH2	TIP3	755	97.081				
ATOM	6255	OH2	TIP3	756	70.064	87.291	62.433	1.001	
ATOM	· 6256	OH2	TIP3	757	73.191	90.367	65.078	1.00	50.53
ATOM	6257	OH2	TIP3	758	67.919	65.829	34.994	1.00	46.46
ATOM	6258	OH2	TIP3	759	67.766	62.682	29.909	1.00	48.04
		OH2	TIP3	760	67.898	67.872	33.364	1.00	55.10
ATOM	6259								
MOTA	∛∴ 6260	OH2	TIP3	761	75.277	82.599	61.330	1.00	58.80
ATOM	6261	OH2	TIP3	762	74.827	82.595	58.575	1.00	49.19
ATOM	6262	OH2	TIP3	763	83.123	64.992	45.218	1.00	29.88
ATOM	6263	OH2	TIP3	764	84.728	65.820	66.470	1.00	45.69
ATOM	6264	OH2	TIP3	765	85.961	70.489	71.473	1.00	38.35
		OH2	TIP3	766	87.324	68.224	72.271	1.00	28.55
ATOM	6265								
ATOM	6266	OH2	TIP3	767	84.928	69.467	73.731	1.00	44.55
MOTA	6267	OH2	TIP3	768	76.765	62.520	103.736	1.00	58.67
ATOM	6268	OH2	TIP3	769	84.140	39.796	28.646	1.00	45.66
ATOM	6269	OH2	TIP3	770	83.628	41.922	32.632	1.00	43.68
ATOM	6270	OH2	TIP3	771	82.432	41.152	35.014	1.00	41.03
ATOM	6271	OH2	TIP3	772	85.785	40.516	31.870	1.00	77.32
								1.00	52.50
ATOM	6272	OH2	TIP3	773	61.289	85.672	83.306		
ATOM	6273	OH2	TIP3	774	80.035	101.956	82.899	1.00	37.06
ATOM	6274	OH2	TIP3	775	63.097	79.370	68.380	1.00	24.13
ATOM	6275	OH2	TIP3	776	88.040	87.256	70.554	1.00	40.73
ATOM	6276	OH2	TIP3	777	66.901	59.286	59.258	1.00	43.62
ATOM	6277	OH2	TIP3	778	81.864	74.462	75.134	1.00	36.80
ATOM	6278	OH2	TIP3	779	83.881	83.471	99.167	1.00	44.32
ATOM	6279	OH2	TIP3	780	83.457	80.677	98.481	1.00	44.09
ATOM	6280	OH2	TIP3	781	82.376	85.551	101.068	1.00	37.49
ATOM	6281	OH2	TIP3	782	75.550	74.768	98.408	1.00	52.97
ATOM	6282	OH2	TIP3	783	73.955	78.953	101.355	1.00	57.37
ATOM	6283	OH2	1'IP3	784	80.713	64.405	109.404	1.00	44.25
ATOM	6284	OH2	TIP3	785	58.907	87.813	87.475	1.00	61.21
ATOM	6285	OH2	TIP3	786	80.267	61.506	96.956	1.00	36.10
	6286	OH2	TIP3	787	84.222	58.111	62.183	1.00	70.74
ATOM									
ATOM	6287	OH2	TIP3	788	83.160	57.267	58.302	1.00	52.72
ATOM	6288	OH2	TIP3	789	66.464	47.762	96.657	1.00	59.25
ATOM	6289	OH2	TIP3	790	69.394	52.614	90.763	1.00	48.67
ATOM	6290	OH2	TIP3	791	92.257	73.130	19.969	1.00	51.24
ATOM	6291	OH2	TIP3	792	99.638	61.766	45.543	1.00	54.79
ATOM	6292	OH2	TIP3	793	97.433	64.794	49.071	1.00	47.02
ATOM	6293	OH2	TIP3	794	77.710	52.845	32.368	1.00	35.15
ATOM	6294	OH2	TIP3	795	69.444	52.278	37.349	1.00	59.52
ATOM	6295	OH2	TIP3	796	68.211	49.099	26.477	1.00	47.09
ATOM	6296	OH2	TIP3	797	65.300	58.001	47.307	1.00	45.39
ATOM	6297	OH2	TIP3	798	67.739	54.960	47.317	1.00	52.04
ATOM	6298	OH2	TIP3	799	65.578	50.677	47.117	1.00	40.40
ATOM	6299	OH2	TIP3	800	70.910	67.580	52.751	1.00	35.66
ATOM	6300	OH2	TIP3	801	70.015	69.737	50.764	1.00	27.41
ATOM	6301	OH2	TIP3	802	80.334	70.409	42.183	1.00	97.77
ATOM	6302	OH2	TIP3	803	64.245	76.692	48.798	1.00	16.97
ATOM	6303	OH2	TIP3	804	65.457	76.921	51.491	1.00	31.17
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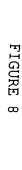








MPA interactions



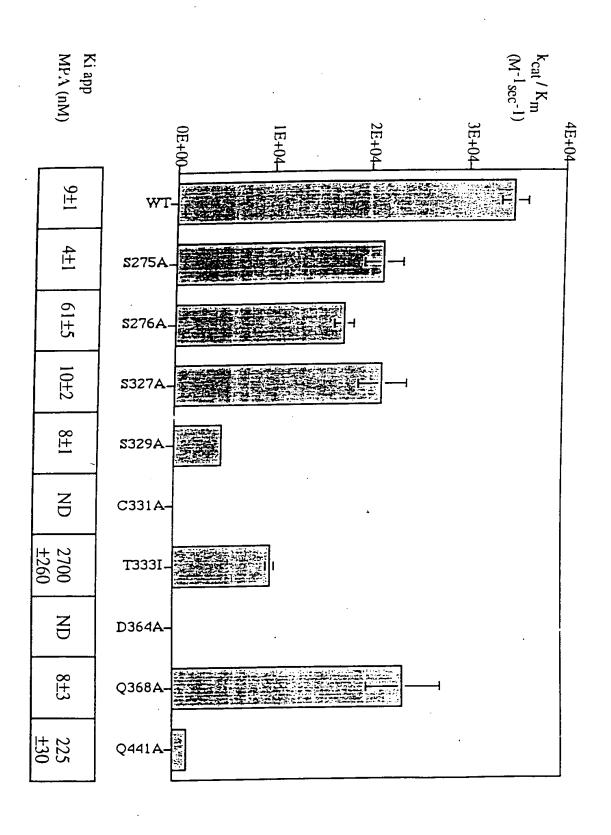




FIGURE 9

